



DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

MINOR LAND DIVISION

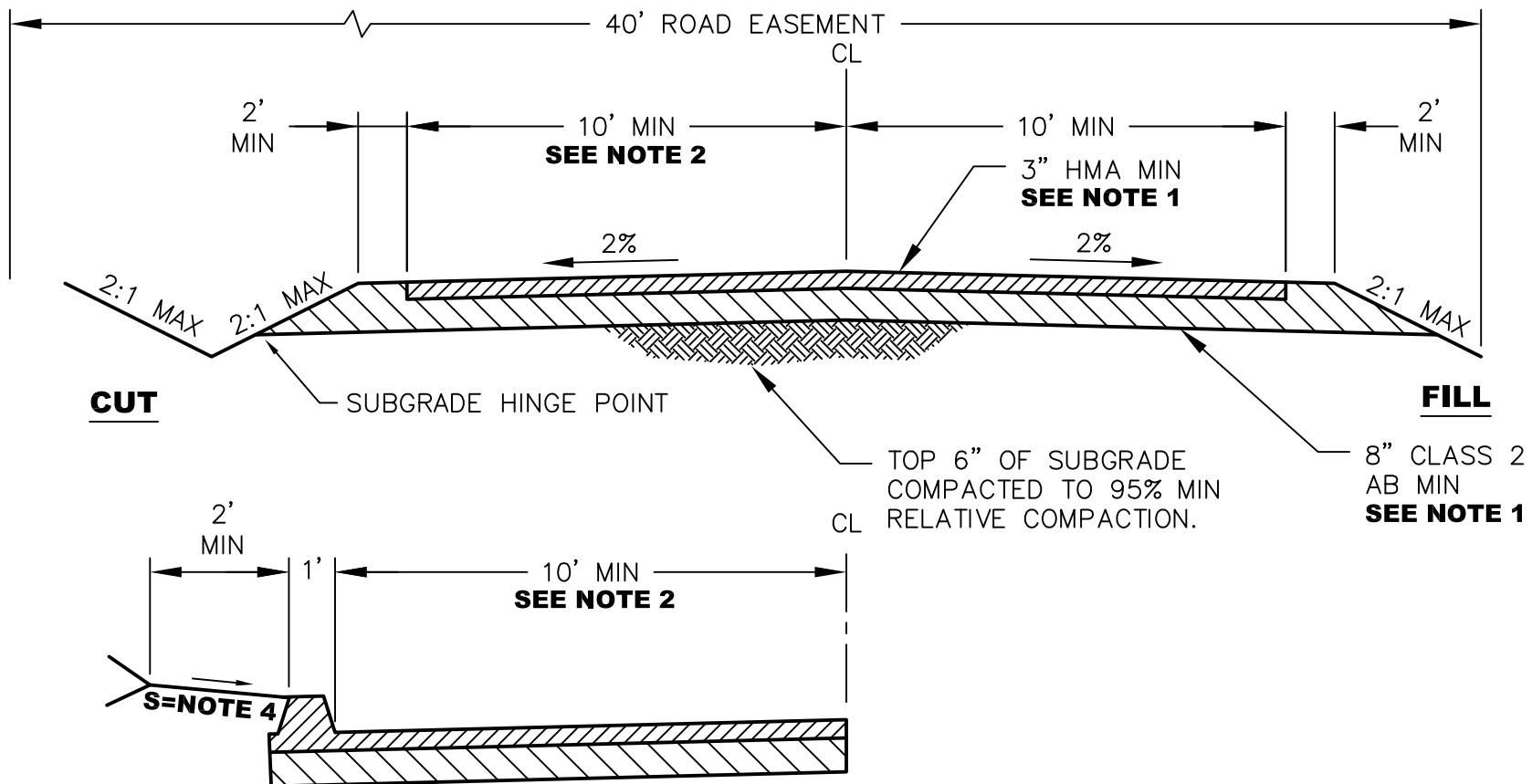
ROAD STANDARD

DATE:
APR. 2018

SCALE:
NOT TO SCALE

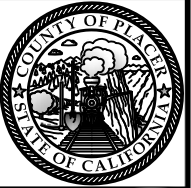


PLATE
100



NOTES:

1. SURFACING SHALL BE IN ACCORDANCE WITH SECTION 4.07(1)(a) OF THE LDM.
2. ADDITIONAL PAVED WIDTH MAY BE REQUIRED BY LOCAL FIRE DISTRICT RULES.
3. THE DITCH MAY BE REQUIRED TO BE LARGER DEPENDING ON THE DRAINAGE TO BE CONVEYED. CONVEYANCE CALCULATIONS MAY BE NECESSARY.
4. S=10% MINIMUM SLOPE FOR DIKE BACKFILL. FOR ROADS WITH LONGITUDINAL CENTERLINE SLOPES GREATER THAN 8%, USE 18% MINIMUM AND 22% MAXIMUM DIKE BACKFILL SLOPE.
5. HMA MIX SHALL BE PER APPROVED PLANS, ENCROACHMENT PERMIT, OR AS APPROVED BY ENGINEER.
6. A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.
7. ADDITIONAL EASEMENTS MAY BE REQUIRED AS NECESSARY TO PROVIDE FOR DRAINAGE, CUT/FILL SLOPES, UTILITIES, ETC.



DEPARTMENT OF PUBLIC WORKS & FACILITIES
COUNTY OF PLACER

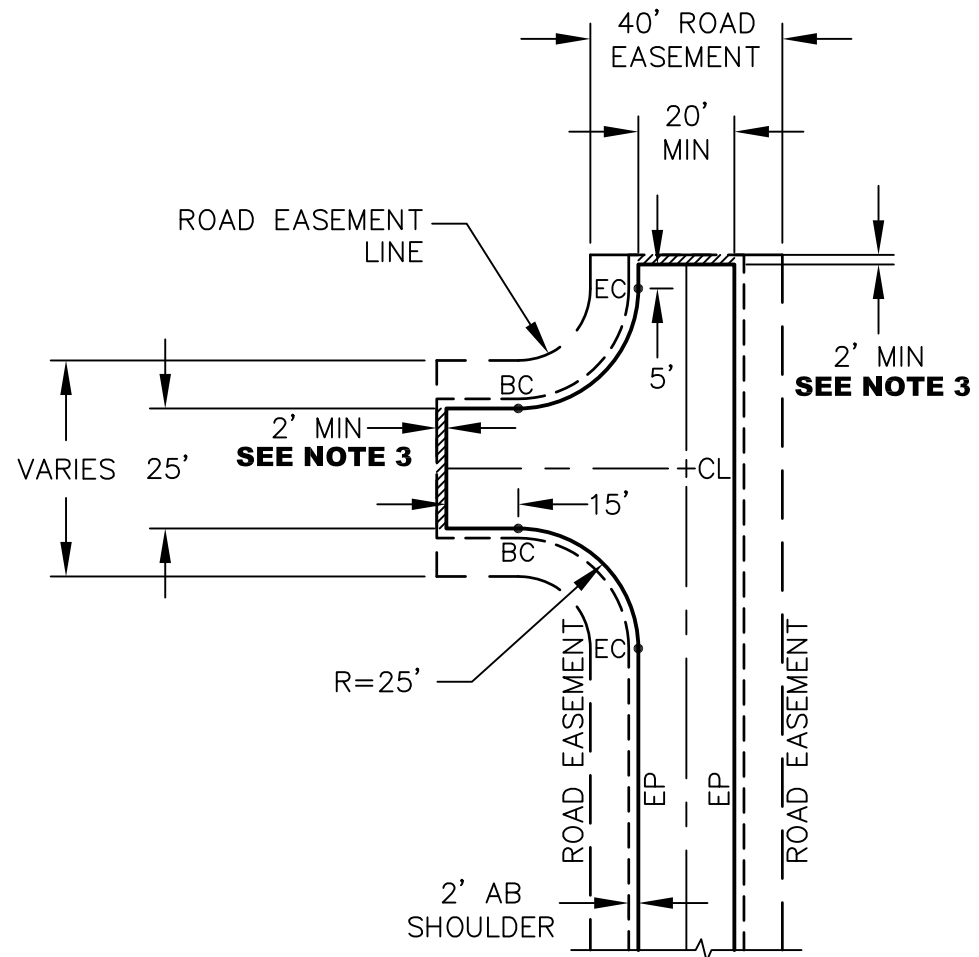
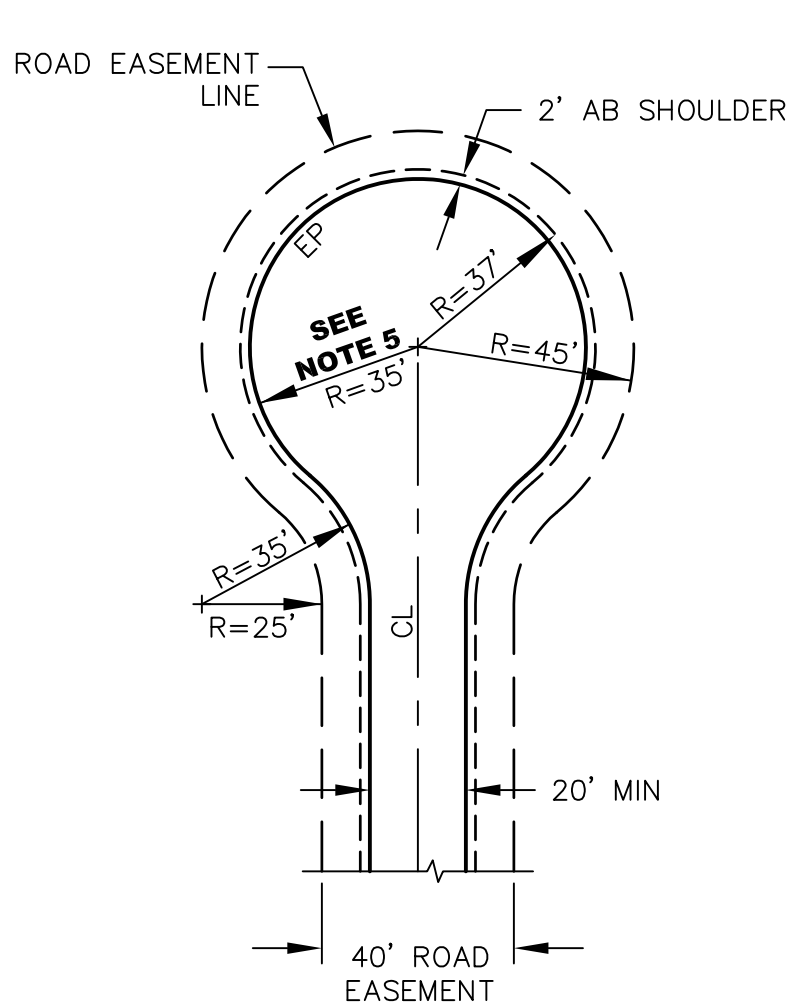
MINOR LAND DIVISION

TURNAROUNDS

REVISED:
APR. 2018
SCALE:
NOT TO SCALE



PLATE
101



NOTES:

1. CUL-DE-SAC AND HAMMERHEAD TO BE SIGNED "NO PARKING".
2. SLOPE EASEMENTS WILL BE REQUIRED WHEN NECESSARY.
3. PROVIDE A 2' MINIMUM OVERHANG AREA WHEN IN CUT.
4. UTILITY TURNAROUNDS MAY NEED TO BE LARGER. SEE UTILITY PLATES 426 AND 427.
5. RADIUS IS TO BE MEASURED TO FACE OF AC DIKE, IF PRESENT.
6. A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.

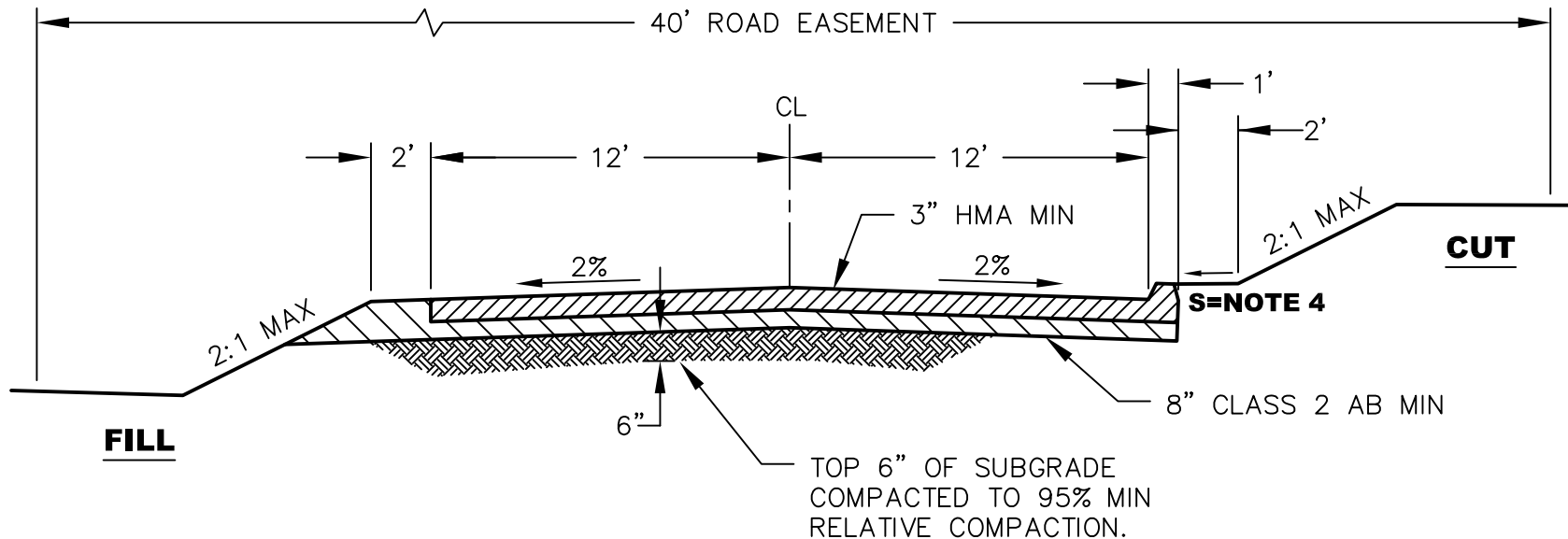


DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

RURAL MINOR RESIDENTIAL

NO PARKING



ALLOWABLE USE

- THIS STANDARD APPLIES WHERE RESIDENTIAL LOTS ARE 40,000 SQUARE FEET AND GREATER.
- NO PARKING – STREETS TO BE SIGNED AS DIRECTED BY ENGINEER.
- THIS STANDARD APPLIES WHERE THERE ARE LESS THAN 50 UNITS ON A CUL-DE-SAC OR 75 UNITS ON A THROUGH ROAD, AND BUILDING SETBACKS ARE A MINIMUM OF 40' FROM THE R/W LINE. WHEN BUILDING SETBACKS ARE LESS THAN 40' FROM THE R/W LINE, THIS STANDARD APPLIES WHERE THERE ARE LESS THAN 25 UNITS ON A CUL-DE-SAC OR 50 UNITS ON A THROUGH ROAD.

NOTES:

- A MULTI-PURPOSE TRAIL, PATHWAY, OR SIDEWALK MAY BE REQUIRED IN ADDITION TO THE IMPROVEMENTS SHOWN ABOVE.
- A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.
- ADDITIONAL EASEMENTS MAY BE REQUIRED AS NECESSARY TO PROVIDE FOR DRAINAGE, CUT/FILL SLOPES, UTILITIES, ETC.
- S=10% MINIMUM SLOPE FOR DIKE BACKFILL. FOR ROADS WITH LONGITUDINAL CENTERLINE SLOPES GREATER THAN 8%, USE 18% MINIMUM AND 22% MAXIMUM DIKE BACKFILL SLOPE.
- ACTUAL ROADWAY STRUCTURAL SECTION MAY BE GREATER THAN INDICATED BASED ON PROJECT APPROVALS.
- HMA MIX SHALL BE PER APPROVED PLANS, ENCROACHMENT PERMIT, OR AS APPROVED BY ENGINEER.

DATE:

APR. 2018

SCALE:

NOT TO SCALE



PLATE
102



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

RURAL SECONDARY

DATE:

APR. 2018

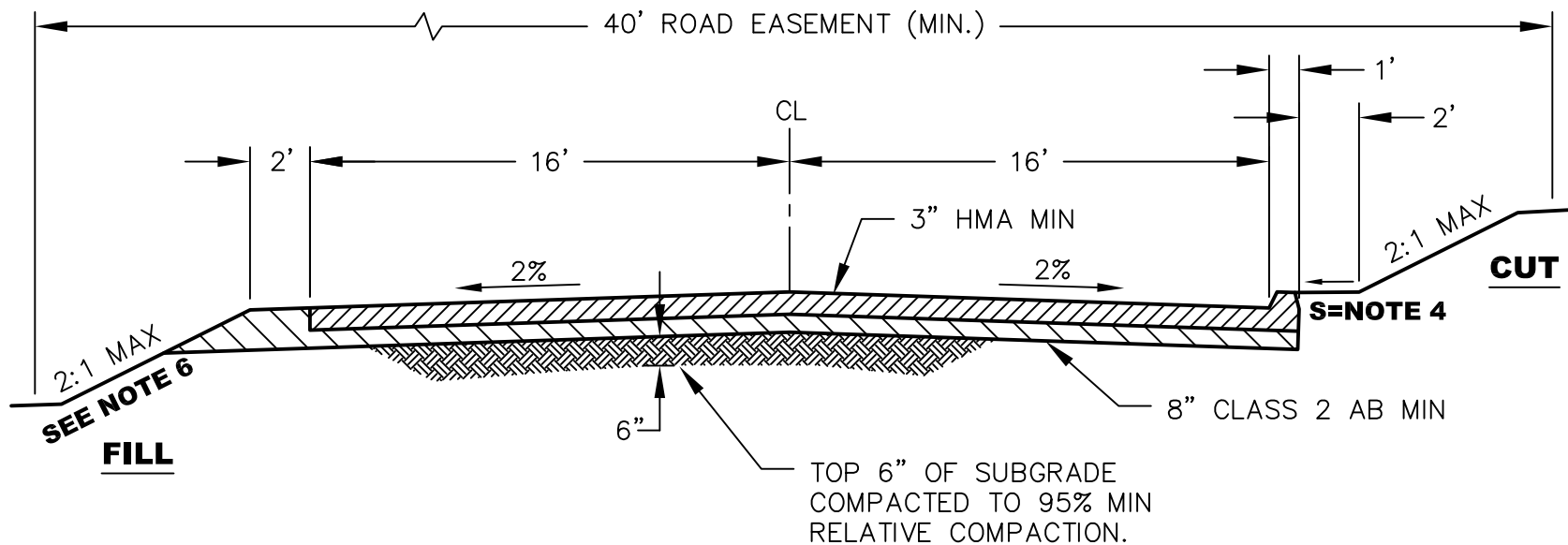
SCALE:

NOT TO SCALE



PLATE

103

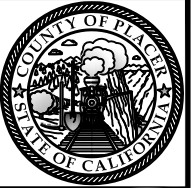


ALLOWABLE USE

- THIS STANDARD APPLIES WHERE RESIDENTIAL LOTS ARE 40,000 SQUARE FEET AND GREATER.
- NO PARKING – STREETS TO BE SIGNED AS DIRECTED BY ENGINEER.
- THIS STANDARD APPLIES WHERE THERE ARE MORE THAN 75 UNITS BEING SERVED, AND BUILDING SETBACKS ARE A MINIMUM OF 40' FROM THE R/W LINE.

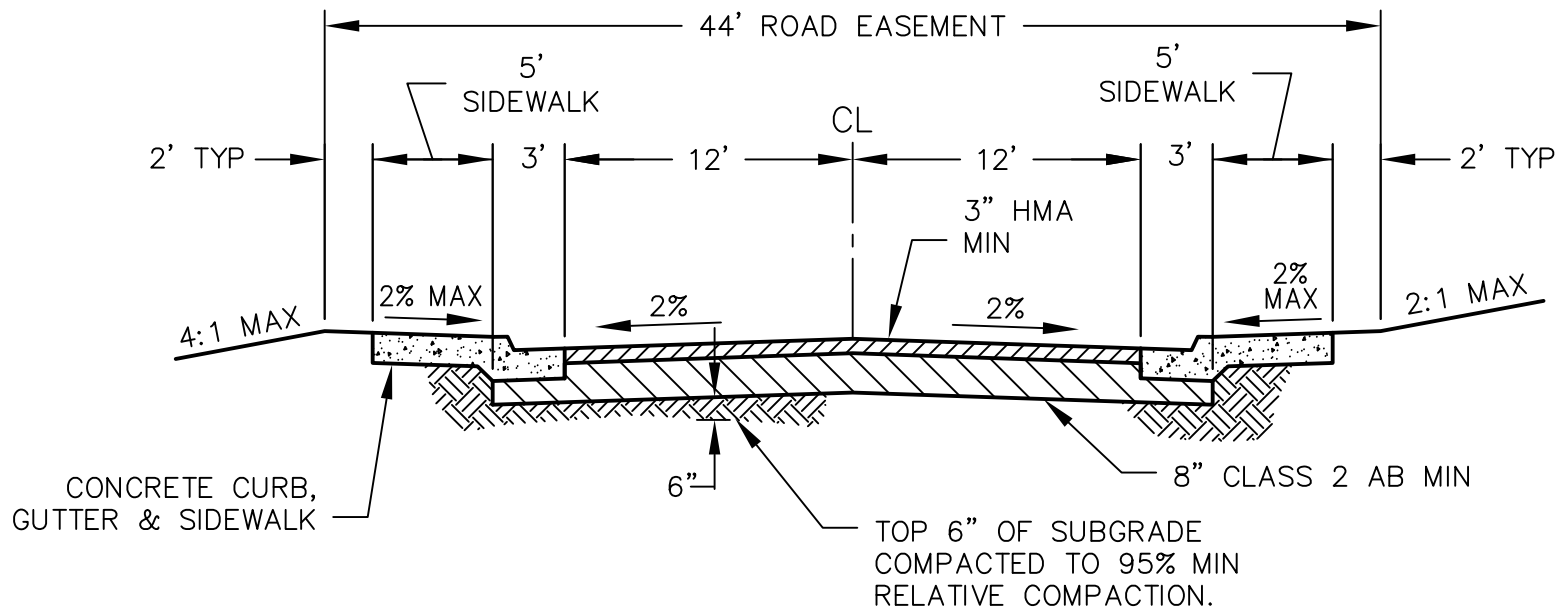
NOTES:

- A MULTIPURPOSE TRAIL, PATHWAY, OR SIDEWALK MAY BE REQUIRED IN ADDITION TO THE IMPROVEMENTS SHOWN ABOVE.
- A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.
- ADDITIONAL EASEMENTS MAY BE REQUIRED AS NECESSARY TO PROVIDE FOR DRAINAGE, CUT/FILL SLOPES, UTILITIES, ETC.
- S=10% MINIMUM SLOPE FOR DIKE BACKFILL. FOR ROADS WITH LONGITUDINAL CENTERLINE SLOPES GREATER THAN 8%, USE 18% MINIMUM AND 22% MAXIMUM DIKE BACKFILL SLOPE.
- ACTUAL ROADWAY STRUCTURAL SECTION MAY BE GREATER THAN INDICATED BASED ON PROJECT APPROVALS.
- 3:1 TO 4:1 SLOPE MAY BE REQUIRED BASED ON THE DESIGN SPEED OF ROAD AND SLOPE HEIGHT.
- HMA MIX SHALL BE PER APPROVED PLANS, ENCROACHMENT PERMIT, OR AS APPROVED BY ENGINEER.



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

URBAN MINOR



ALLOWABLE USE

- LESS THAN 50 UNITS ON A CUL-DE-SAC OR LESS THAN 75 UNITS ON A THROUGH STREET, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NO PARKING PERMITTED. FOR PARKING ON ONE SIDE ONLY, ADD 5' PAVEMENT TO PARALLEL PARKING SIDE (11' TRAVEL LANE PLUS 8.5' TO FACE OF CURB).
- SIDEWALKS BOTH SIDES – LOTS 1/2 ACRE OR SMALLER OR ROADS THAT ARE EXISTING OR FUTURE COLLECTORS.
- SIDEWALKS ONE SIDE – LOTS GREATER THAN 1/2 ACRE TO 40,000 SQUARE FEET.
- ALL SIDEWALKS SHALL MEET TITLE 24 ACCESSIBILITY.

NOTES:

- ACTUAL ROADWAY STRUCTURAL SECTION MAY BE GREATER THAN INDICATED BASED ON PROJECT APPROVALS.
- HMA MIX SHALL BE PER APPROVED PLANS, ENCROACHMENT PERMIT, OR AS APPROVED BY ENGINEER.
- A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.
- ADDITIONAL EASEMENTS MAY BE REQUIRED AS NECESSARY TO PROVIDE FOR DRAINAGE, CUT/FILL SLOPES, UTILITIES, ETC.

DATE:
APR. 2018

SCALE:
NOT TO SCALE



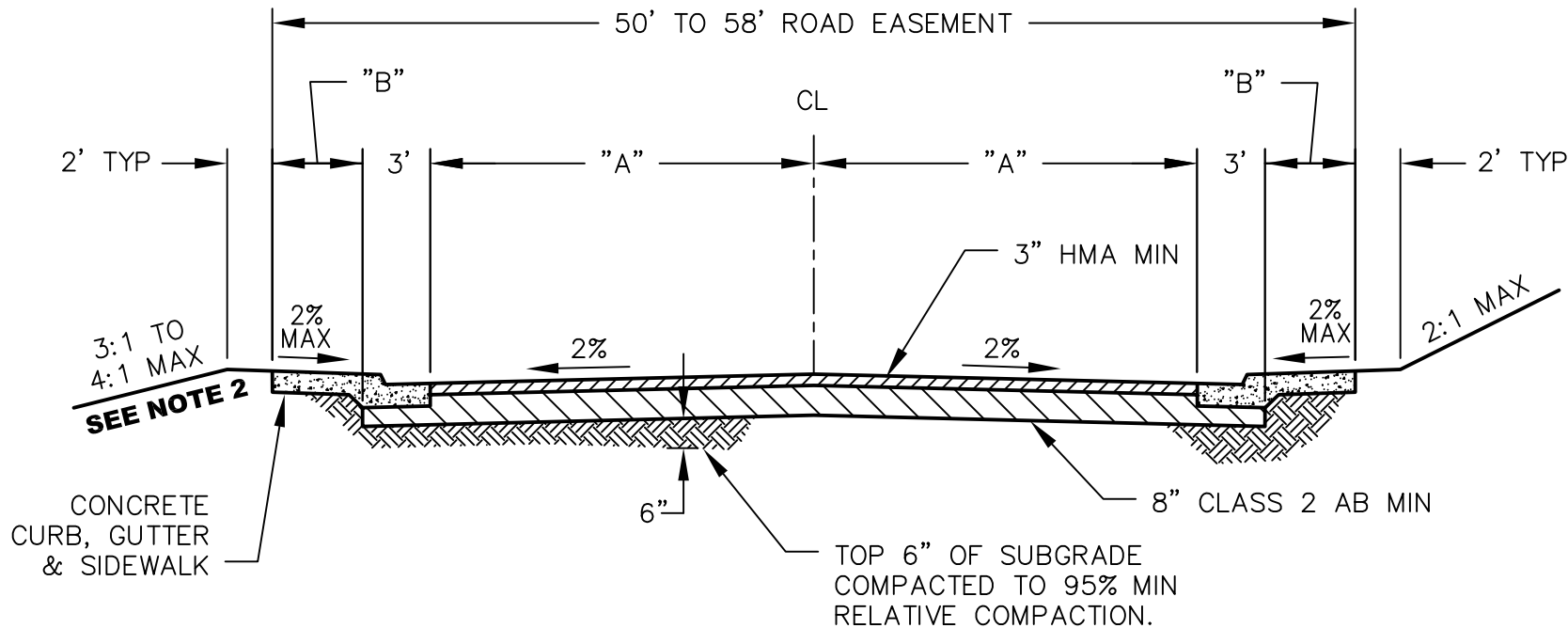
PLATE
104



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

URBAN SECONDARY

RESIDENTIAL/COMMERCIAL-INDUSTRIAL



ALLOWABLE USE

RESIDENTIAL- 75 OR MORE UNITS SERVED:

- TRAVELED WAY 17 FT. MIN (11' TRAFFIC LANE + 6' TO LIP OF GUTTER).
- 5 FT. SIDEWALKS BOTH SIDES – LOTS 1/2 ACRE AND SMALLER OR ROADS THAT ARE EXISTING OR FUTURE COLLECTORS/ ARTERIAL; 5 FT. SIDEWALKS ONE SIDE – LOTS GREATER THAN 1/2 ACRE TO 40,000 SQUARE FEET.
- PARKING PERMITTED

NOTES:

- ACTUAL ROADWAY STRUCTURAL SECTION MAY BE GREATER THAN INDICATED BASED ON PROJECT APPROVALS.
- 3:1 TO 4:1 SLOPE MAY BE REQUIRED BASED ON DESIGN SPEED AND SLOPE HEIGHT.
- HMA MIX SHALL BE PER APPROVED PLANS, ENCROACHMENT PERMIT, OR AS APPROVED BY ENGINEER.
- A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.
- ADDITIONAL EASEMENTS MAY BE REQUIRED AS NECESSARY TO PROVIDE FOR DRAINAGE, CUT/FILL SLOPES, UTILITIES, ETC.
- ALL SIDEWALKS SHALL MEET TITLE 24 ACCESSIBILITY.
- FOR BIKE LANE, ADD 5' ADDITIONAL PAVEMENT WIDTH BETWEEN TRAVEL LANE AND PARALLEL PARKING AREA.

COMMERCIAL - INDUSTRIAL:

- TRAVELED WAY 20 FT. (12' TRAFFIC LANE + 8' PAVED SHOULDER).
- 6 FT. SIDEWALKS BOTH SIDES (IF REQUIRED BY COMMUNITY PLAN OR HIGHWAY DEFICIENCY MANUAL).

DATE:

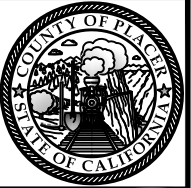
APR. 2018

SCALE:

NOT TO SCALE



PLATE
105



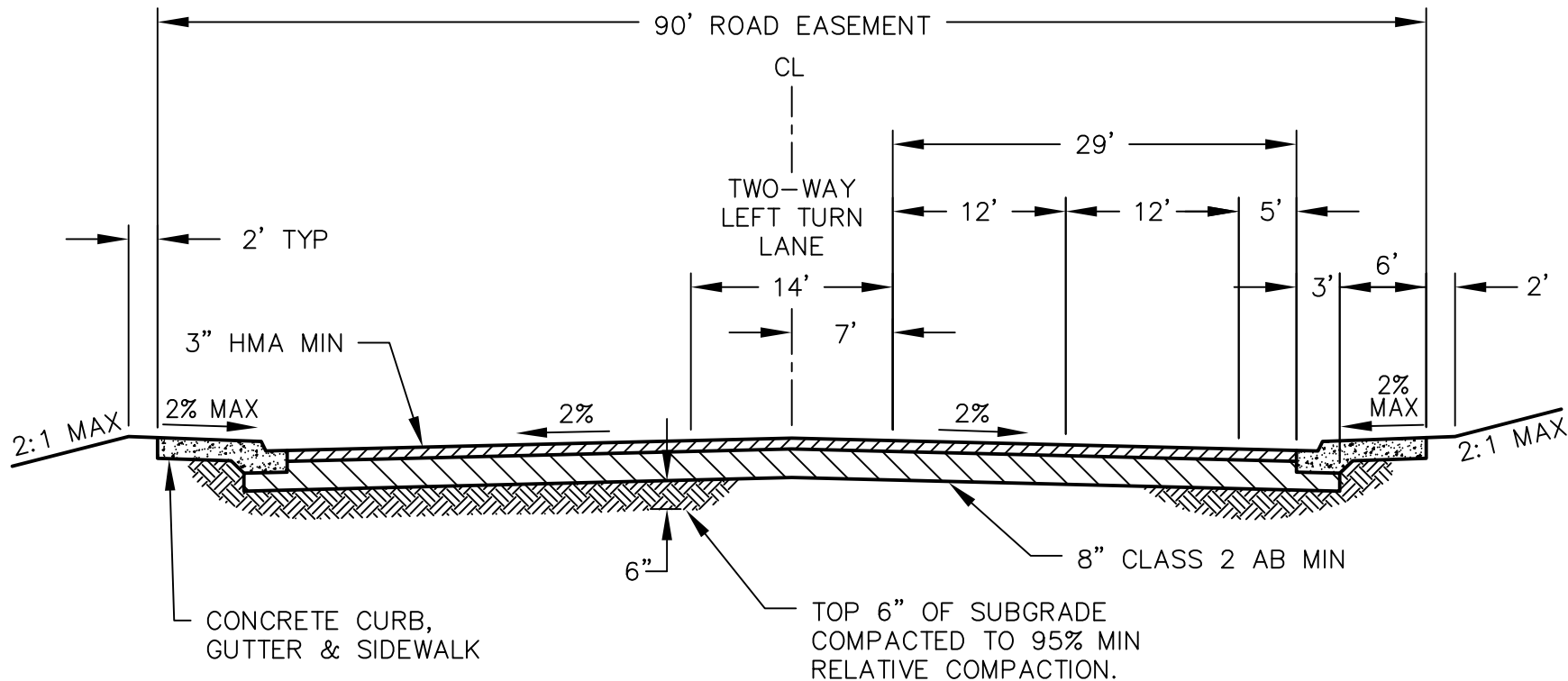
COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

URBAN PRIMARY

DATE:
APR. 2018
SCALE:
NOT TO SCALE



PLATE
106

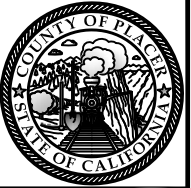


ALLOWABLE USE

- THIS STANDARD IS APPLICABLE AS PER APPROPRIATE COMMUNITY PLAN OR AS DETERMINED BY THE DEPARTMENT OF PUBLIC WORKS.
- 6 FT. SIDEWALKS REQUIRED.
- NO PARKING.

NOTES:

- ACTUAL ROADWAY STRUCTURAL SECTION MAY BE GREATER THAN INDICATED BASED ON PROJECT APPROVALS.
- HMA MIX SHALL BE PER APPROVED PLANS, ENCROACHMENT PERMIT, OR AS APPROVED BY ENGINEER.
- A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.
- ADDITIONAL EASEMENTS MAY BE REQUIRED AS NECESSARY TO PROVIDE FOR DRAINAGE, CUT/FILL SLOPES, UTILITIES, ETC.
- ALL SIDEWALKS SHALL MEET TITLE 24 ACCESSIBILITY.



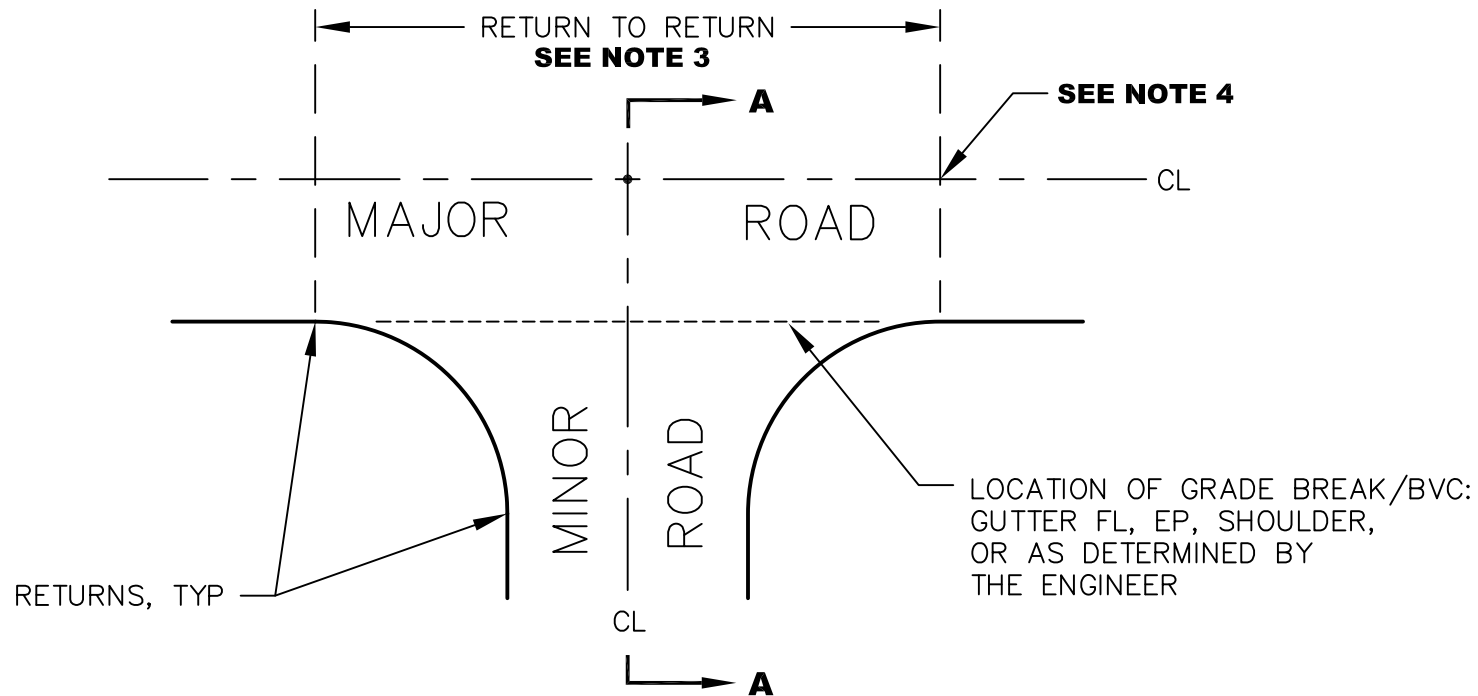
COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

ROAD INTERSECTION PROFILES

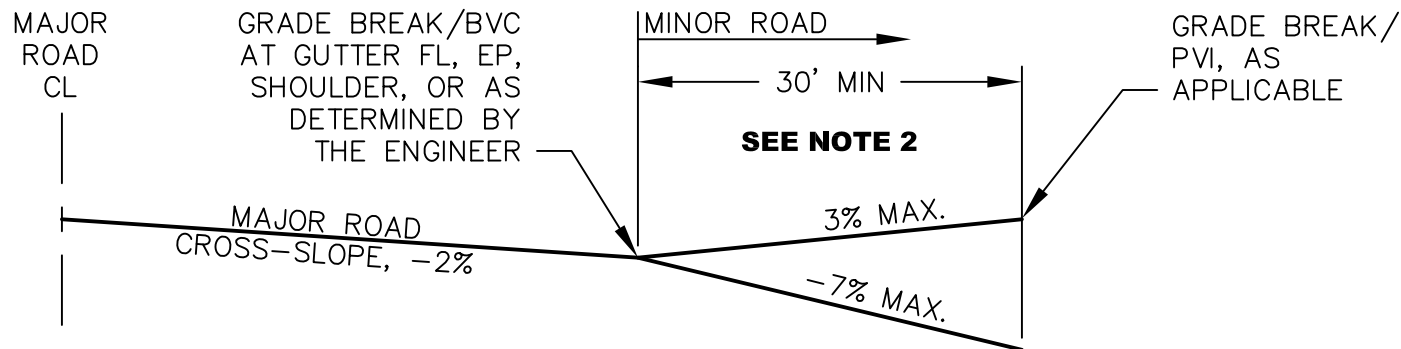
DATE:
APR. 2016
SCALE:
NOT TO SCALE



PLATE
107



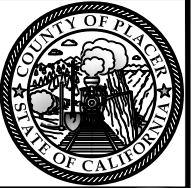
PLAN VIEW



SECTION A-A

NOTES:

1. GRADE BREAK LOCATION SHALL BE OUTSIDE OF TRAVELED WAY OF MAJOR ROADS.
2. ADDITIONAL GRADE BREAKS ALLOWED WITHIN 30' IF EQUIVALENT TO A 30' VERTICAL CURVE, OR GREATER.
3. LONGITUDINAL SLOPE THROUGH INTERSECTION ON MAJOR ROAD SHALL NOT EXCEED 6% PER LDM SECTION 4.05(1)(a)(6).
4. SEE LDM SECTION 4.05(1)(a) REGARDING VERTICAL ALIGNMENT AND SECTION 4.05(1)(c)(1) REGARDING VERTICAL CURVE AND GRADE BREAK REQUIREMENTS.
5. EXCEPTIONS TO SLOPE APPLY WHEN INTERSECTION IS LOCATED AT SUPERELEVATED SECTION OF MAJOR ROAD, OR AS OTHERWISE APPROVED BY THE ENGINEER.



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

CUL-DE-SAC

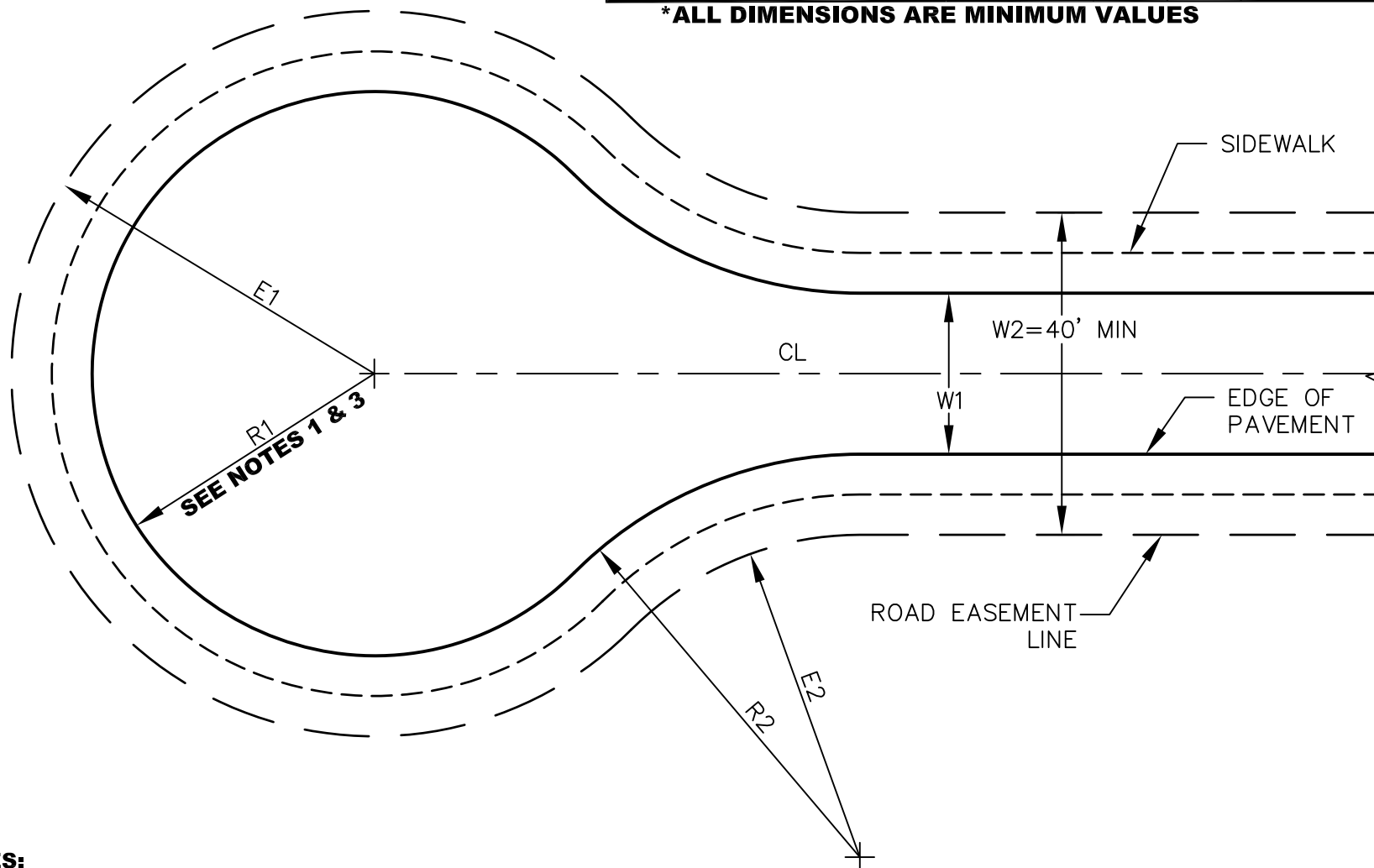
REVISED:
APR. 2018
SCALE:
NOT TO SCALE



PLATE
108

ROAD SECTION DESIGN PLATE	102	103	104	105 RES.	105 COM.	106
PAVEMENT WIDTH, W1	24'	32'	24'	34'	40'	72'
EASEMENT WIDTH, W2	40'	40'	44'	50'	58'	90'
PAVEMENT RADIUS, R1	35'	35'	35'	35'	42'	42'
EASEMENT RADIUS, E1	43'	39'	45'	43'	51'	51'
PAVEMENT RETURN, R2	35'	35'	35'	35'	42'	42'
EASEMENT RETURN, E2	27'	31'	25'	27'	33'	33'

***ALL DIMENSIONS ARE MINIMUM VALUES**



NOTES:

1. COMMERCIAL AND INDUSTRIAL ROADWAYS REQUIRE A 42' MIN. RADIUS TO EDGE OF PAVEMENT.
2. FINISHED GRADE FLOWLINE SPOT ELEVATIONS SHALL BE SHOWN ON PLANS AT ALL EC'S, BC'S, PRC'S, ANGLE POINTS AND 1/4 DELTAS AROUND CUL-DE-SACS, OR AS DIRECTED BY THE ENGINEER.
3. 35' RADIUS IS TO BE MEASURED TO FACE OF AC DIKE, IF PRESENT. IF NO CURB & GUTTER, PAVE 37'-6" MIN.
4. A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.



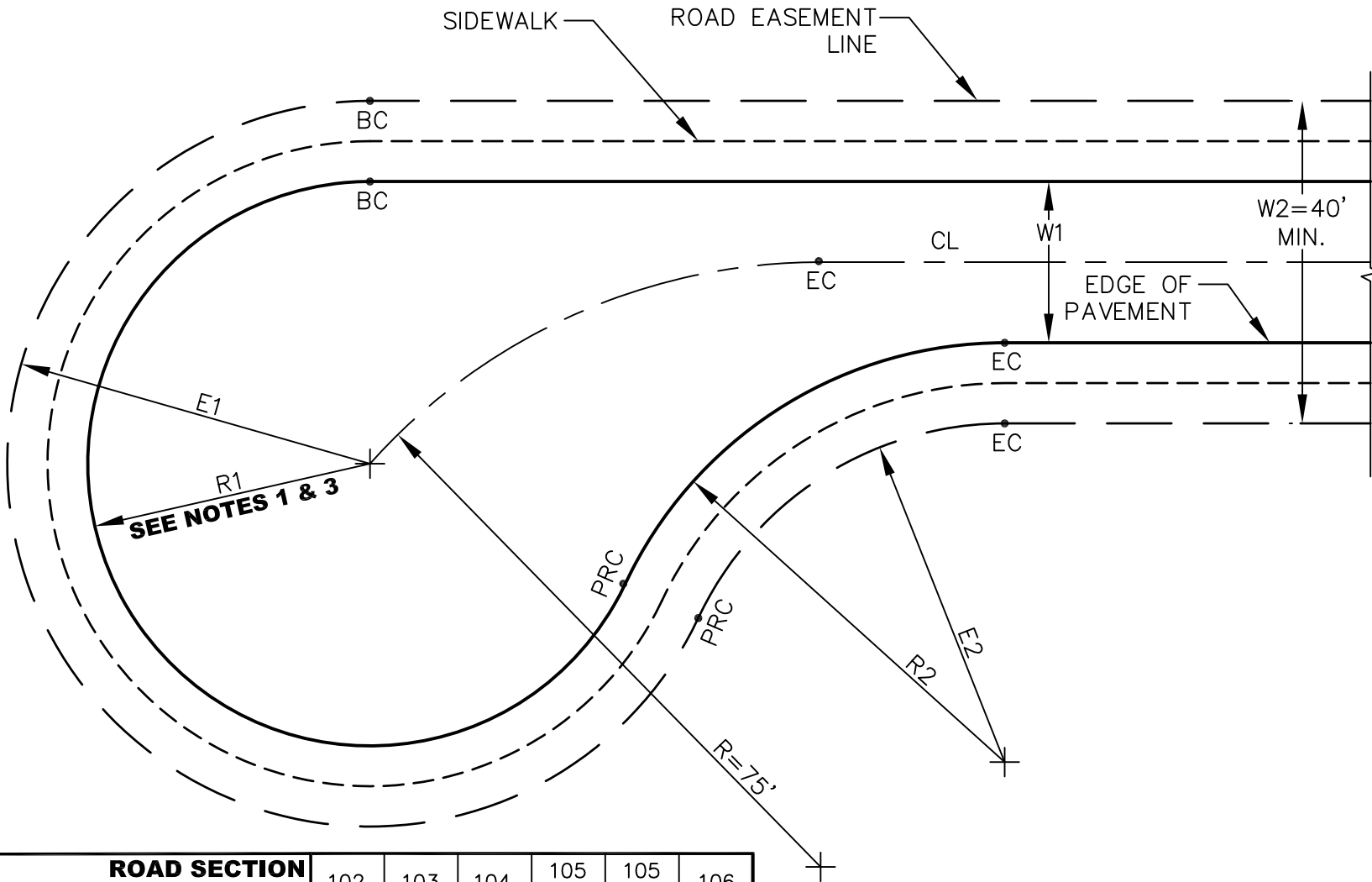
COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

OFFSET CUL-DE-SAC

REVISED:
APR. 2018
SCALE:
NOT TO SCALE



PLATE
109



ROAD SECTION DESIGN PLATE	102	103	104	105 RES.	105 COM.	106
PAVEMENT WIDTH, W1	24'	32'	24'	34'	40'	72'
EASEMENT WIDTH, W2	40'	40'	44'	50'	58'	90'
PAVEMENT RADIUS, R1	35'	35'	35'	35'	42'	42'
EASEMENT RADIUS, E1	43'	39'	45'	43'	51'	51'
PAVEMENT RETURN, R2	35'	35'	35'	35'	42'	42'
EASEMENT RETURN, E2	27'	31'	25'	27'	33'	33'

***ALL DIMENSIONS ARE MINIMUM VALUES**

NOTES:

1. COMMERCIAL AND INDUSTRIAL ROADWAYS REQUIRE A 42' MIN RADIUS TO EDGE OF PAVEMENT.
2. FINISHED GRADE FLOWLINE SPOT ELEVATIONS SHALL BE SHOWN ON PLANS AT ALL EC'S, BC'S, PRC'S, ANGLE POINTS AND 1/4 DELTAS AROUND CUL-DE-SACS, OR AS DIRECTED BY THE ENGINEER.
3. 35' RADIUS IS TO BE MEASURED TO FACE OF AC DIKE, IF PRESENT. IF NO CURB & GUTTER, PAVE 37'-6" MIN.
4. A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.

1. INTERSECTION BULBS ARE NOT REQUIRED ON STREETS WITH A CENTERLINE RADIUS OF 200 FT. OR MORE.
2. ALL RADII SHOWN PERTAIN TO R/W LINES EXCEPT THE MINIMUM CENTERLINE RADIUS OF 50 FT. $\Delta=90^{\circ}\pm 10^{\circ}$.
3. RA=60 FT.
4. A MINIMUM CENTERLINE RADIUS OF 50 FT. IS REQUIRED. THE CENTERLINE PROFILE SHALL FOLLOW THE CURVILINEAR ALIGNMENT.
5. SIGHT DISTANCE SHALL BE MAINTAINED IN THE SHADED AREA. A VISIBILITY CONTROL EASEMENT SHALL BE REQUIRED.
6. ALLOWABLE ONLY ON URBAN MINOR RESIDENTIAL STANDARD ROADS SERVING LESS THAN 50 UNITS.
7. PI IS POINT OF INTERSECTION OF TANGENT LINES AT BACK OF SIDEWALK & R/W LINE AT THE CURB RETURN OF THE INSIDE OF THE STREET.
8. FINISHED GRADE FLOWLINE SPOT ELEVATIONS SHALL BE SHOWN ON PLANS AT ALL EC'S, BC'S, PRC'S, ANGLE POINTS AND 1/4 DELTAS AROUND ELBOWS, OR AS DIRECTED BY THE ENGINEER.
9. A 12.5' MULTI-PURPOSE EASEMENT IS REQUIRED ADJACENT TO EACH SIDE OF ANY HIGHWAY EASEMENT.



DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

COMMERCIAL DRIVEWAY CONNECTION (MINOR)

DATE:

APR. 2016

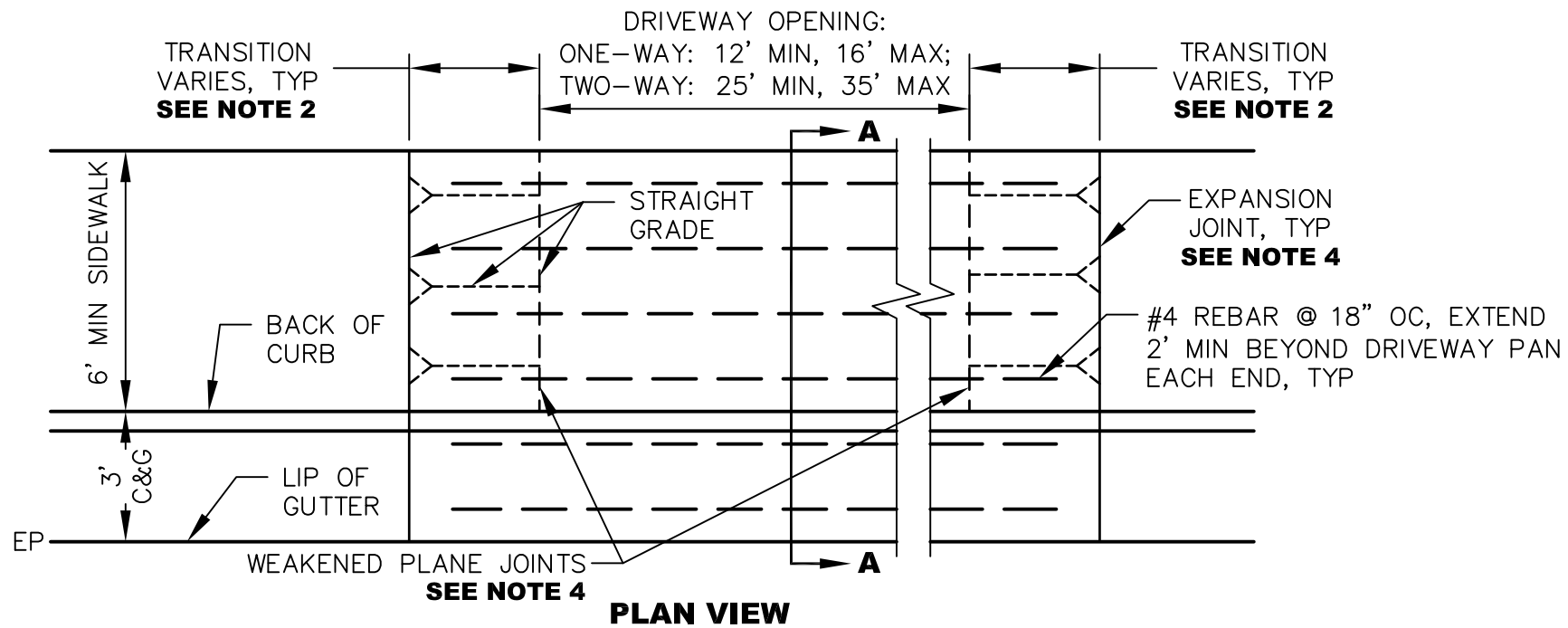
SCALE:

NOT TO SCALE

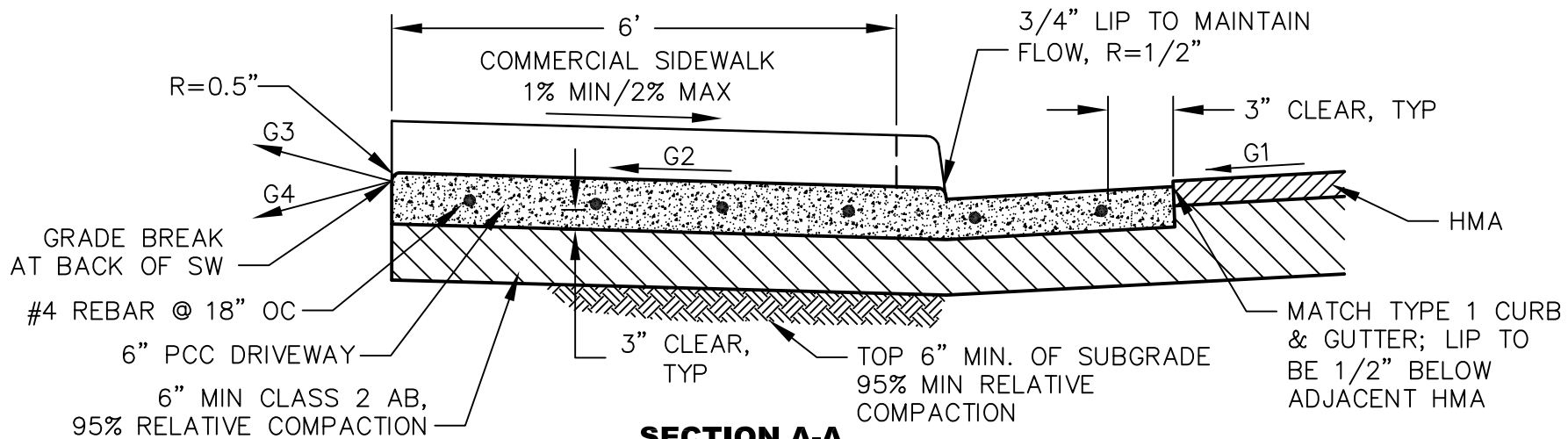


PLATE

111



PLAN VIEW



SECTION A-A

NOTES:

1. MAXIMUM GRADES FOR DRIVEWAYS SHALL BE AS FOLLOWS AND ARE BASED ON A -2% (G1) ROAD CROSS SLOPE: G2 = +1% TO +2%; G3 & G4 = AS DETERMINED, MAXIMUM 5% ALGEBRAIC GRADE DIFFERENCE FOR A GRADE BREAK, 30 FT. MIN VERTICAL CURVE.
2. SEE CALTRANS STANDARD SPECIFICATIONS FOR ALLOWABLE SLOPES.
3. EXPANSION AND WEAKENED PLANE JOINTS PER SECTION 73-1.03E OF THE PLACER COUNTY GENERAL SPECIFICATIONS.
4. IF THE OPENING OF THE PCC DRIVEWAY APRON IS 14 FT. OR GREATER, THE WEAKENED PLANE JOINT(S) SHALL BECOME EXPANSION JOINT(S) AT A MINIMUM SPACING OF 10 FT. CENTER TO CENTER.
5. ALL PCC TO BE 6-SACK MIX.

- NOTES:**
1. THE CURB RETURN RADIUS MAY NEED TO BE LARGER DEPENDING ON THE DRIVEWAY WIDTH, ROAD WIDTH AND THE TYPE OF VEHICLE THAT WILL UTILIZE THE DRIVEWAY.
 2. MAXIMUM ALGEBRAIC GRADE DIFFERENCE BETWEEN ROAD CROSS SLOPE AND THE DRIVEWAY SLOPE SHALL BE 5%.
 3. SEE APPLICABLE PLACER COUNTY PLATE FOR CURB, GUTTER AND SIDEWALK SPECIFICATIONS.
 4. ACCESSIBILITY COMPLIANCE IS REQUIRED. MAXIMUM CROSS SLOPE IS 2% AT DRIVEWAY CROSSING. ACCESSIBLE PATH CANNOT OVERLAP VALLEY GUTTER.
 5. ALL PCC TO BE 6-SACK MIX.



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

COMMERCIAL DRIVEWAY LOCATIONS

DATE:
APR. 2016
SCALE:
NOT TO SCALE

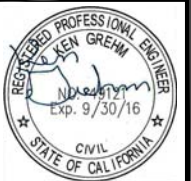
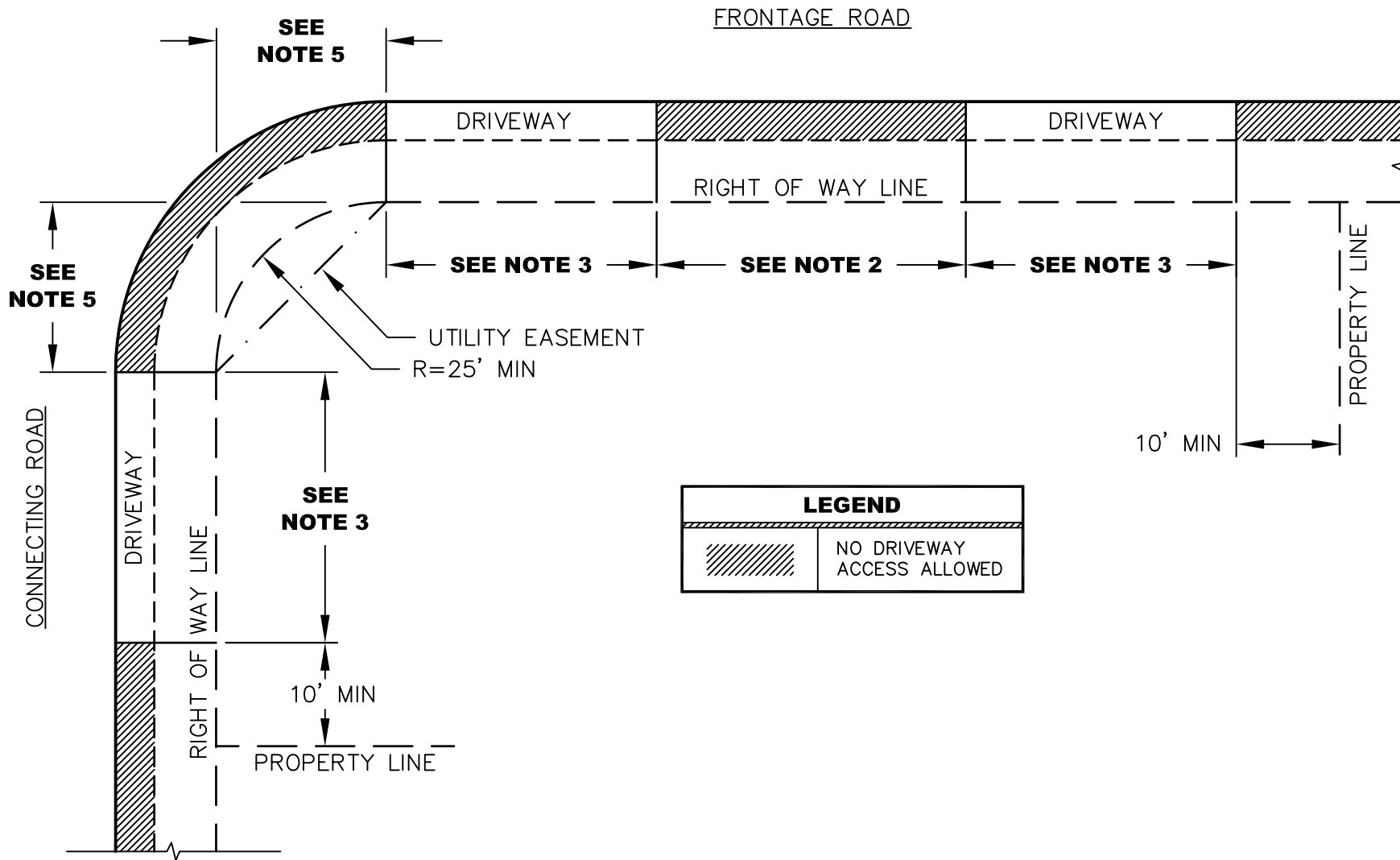


PLATE
113



NOTES:

1. FRONTAGE MEASURED ALONG R/W LINE AND FROM THE INTERSECTION OF PROJECTED R/W TANGENTS ON LOT CORNERS. DRIVEWAYS NOT PERMITTED WITHIN 10 FT. OF PROPERTY LINES OR 25 FT. OF INTERSECTING R/W TANGENTS.
2. 22 FT. MIN DISTANCE BETWEEN DRIVEWAYS FOR LESS THAN 200 FT. FRONTAGE AND 45 FT. MIN DISTANCE BETWEEN DRIVEWAYS FOR GREATER THAN OR EQUAL TO 200 FT. FRONTAGE AS MEASURED AT R/W LINE.
3. DRIVEWAY WIDTH: FOR ONE-WAY TRAFFIC, 12 FT. MIN AND 16 FT. MAX; FOR TWO-WAY TRAFFIC, 25 FT. MIN AND 35 FT. MAX.
4. SPECIAL CASES SHALL BE SUBMITTED FOR APPROVAL OF THE ENGINEER.
5. 25 FT. MIN DISTANCE FOR DESIGN SPEED EQUAL TO OR LESS THAN 30 MPH; 50 FT. MIN DISTANCE FOR DESIGN SPEED GREATER THAN 30 MPH BUT LESS THAN 50 MPH; IF DESIGN SPEED IS 50 MPH OR GREATER, MIN DISTANCE TO BE DETERMINED BY THE ENGINEER.



DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

DRIVEWAY CURB CUTS- SINGLE FAMILY RESIDENTIAL

DATE:

APR. 2016

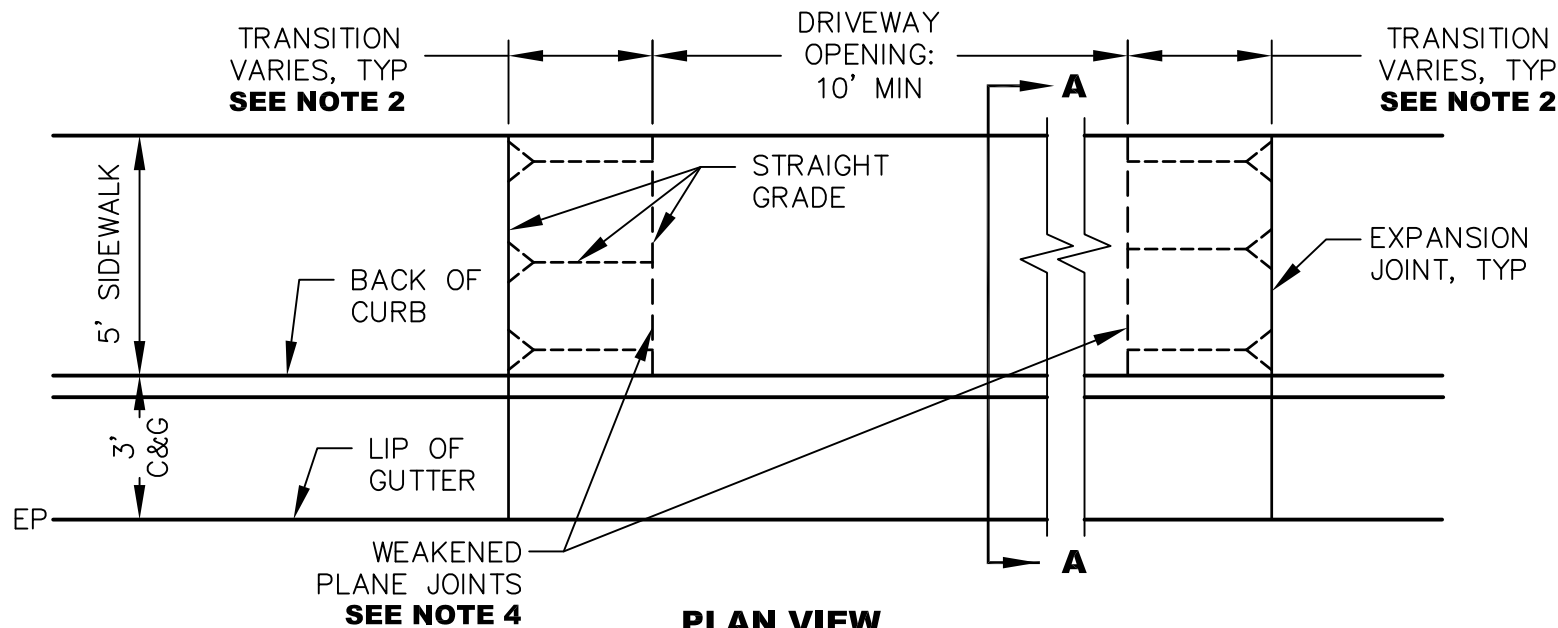
SCALE:

NOT TO SCALE

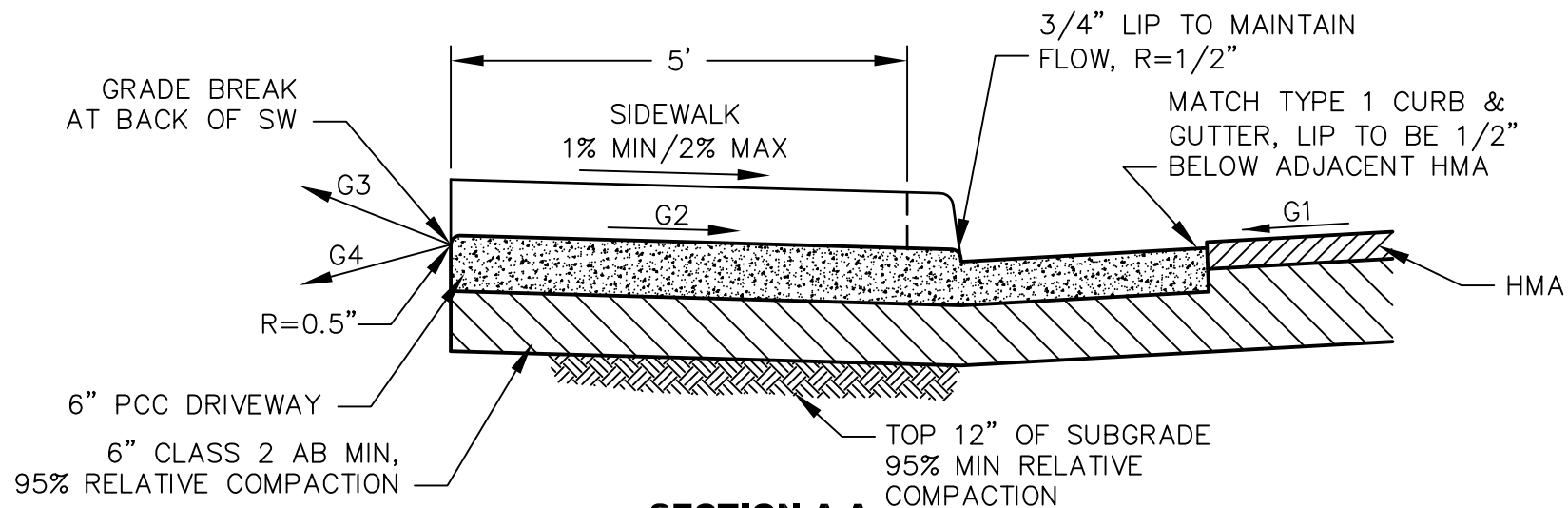


PLATE

114



PLAN VIEW



SECTION A-A

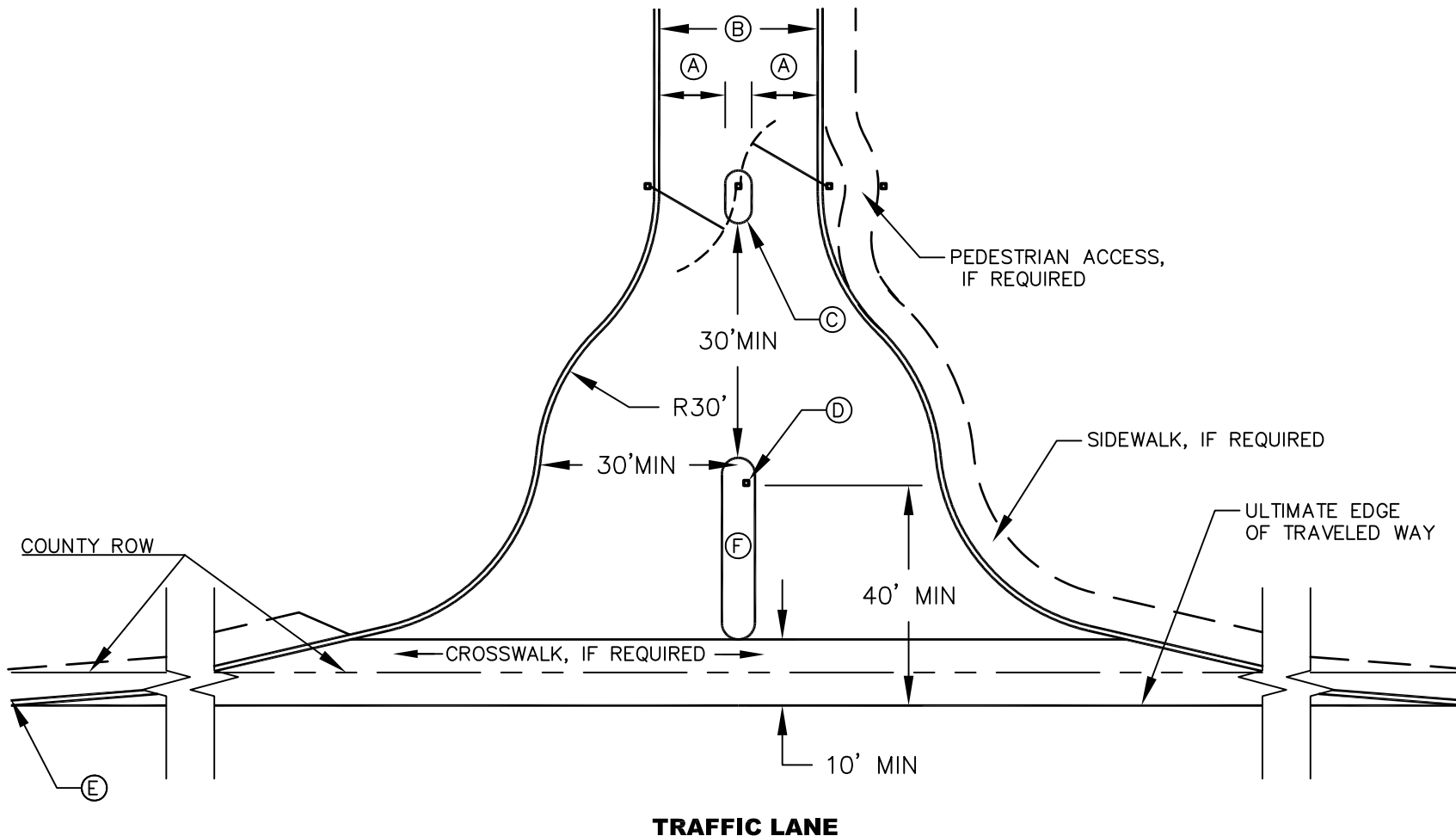
NOTES:

1. MAXIMUM GRADES FOR DRIVEWAYS SHALL BE AS FOLLOWS AND ARE BASED ON A -2% (G1) ROAD CROSS SLOPE: G2 = +1% TO +2%; G3 & G4 = AS DETERMINED, MAXIMUM 5% ALGEBRAIC GRADE DIFFERENCE FOR A GRADE BREAK, 30 FT. MIN VERTICAL CURVE.
2. SEE CALTRANS STANDARD SPECIFICATIONS FOR ALLOWABLE SLOPES.
3. EXPANSION AND WEAKENED PLANE JOINTS PER SECTION 73-1.03E OF THE PLACER COUNTY GENERAL SPECIFICATIONS.
4. IF THE OPENING OF THE PCC DRIVEWAY APRON IS 14 FT. OR GREATER, THE WEAKENED PLANE JOINT(S) SHALL BECOME EXPANSION JOINT(S) AT A MINIMUM SPACING OF 10 FT. CENTER TO CENTER.
5. ALL PCC TO BE 6-SACK MIX.

NOTES:

1. SIDEWALK, CURB AND GUTTER WIDTH PER DEVELOPMENT STANDARDS, IF APPLICABLE.
2. ENCROACHMENT PERMIT REQUIRED FOR ANY WORK WITHIN THE COUNTY RIGHT-OF-WAY.
3. GEOMETRICS FOR ENCROACHMENT: RADII, OFFSETS AND TAPERS PER STANDARD PLATE 116, IF APPLICABLE
4. FOR ANY GATED ENTRANCE ON A PRIVATE ROAD SERVING MORE THAN TWO RESIDENTIAL LOTS.
5. ALTERNATIVE KEYPAD LAYOUTS MAY BE CONSIDERED IF THE DESIGN MEETS RADII AND SETBACK REQUIREMENTS.

- (A) GATE OPENING TO BE MIN. 1-FOOT WIDER ON EACH SIDE THAN TRAFFIC LANE.
- (B) PRIVATE ROAD/ACCESS WIDTH AS DETERMINED BY APPLICABLE PLACER COUNTY STANDARDS.
- (C) GATE ISLAND IS OPTIONAL, HOWEVER GATE SHALL NOT OBSTRUCT THE TURNAROUND AREA.
- (D) KEYPAD AND/OR CALL BOX (40-FOOT MIN. FROM ULTIMATE CURBLINE OR EDGE OF TRAVELED WAY).
- (E) START/END OF PAVEMENT TAPER.
- (F) MEDIAN ISLAND IS OPTIONAL.



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

PRIVATE GATED ENTRANCE

DATE:
APR. 2016

SCALE:
NOT TO SCALE



PLATE
115



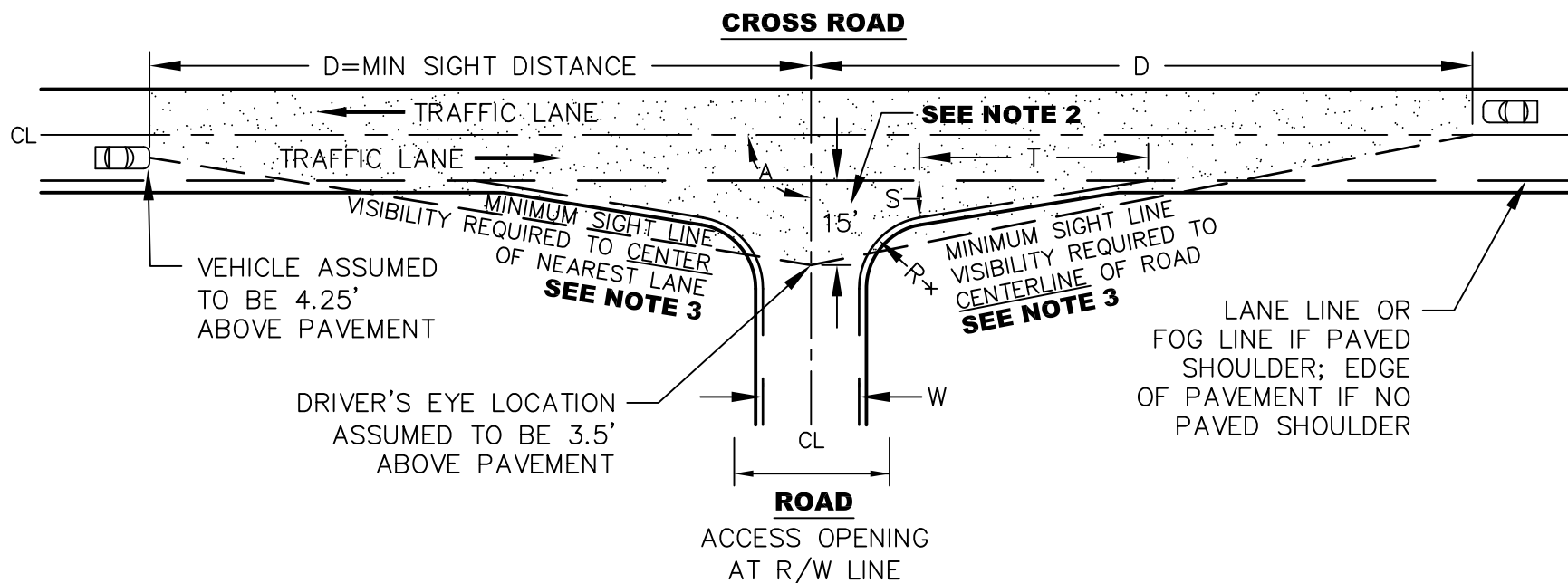
ROADWAY CONNECTIONS

RESIDENTIAL AND COMMERCIAL

DATE:
APR. 2016
SCALE:
NOT TO SCALE



PLATE
116



	MINOR									MAJOR							
	RESIDENTIAL (SERVING LESS THAN 5 LOTS) OR SINGLE FAMILY DRIVEWAY CONNECTING TO ROADS WITH DESIGN SPEED >25 MPH									MULTIPLE RESIDENTIAL (SERVING 5 OR MORE LOTS) OR COMMERCIAL							
DESIGN SPEED (MPH)	25	30	35	40	45	50	55	60	MPH	25	30	35	40	45	50	55	60
ANGLE, A	60° TO 120°								A	80° TO 100°							
SIGHT DIST., D*	275'	330'	385'	440'	495'	550'	605'	660'	D	275'	330'	385'	440'	495'	550'	605'	660'
OFFSET, S	3'	3'	3'	3'	4'	4'	5'	5'	S	8'	8'	12'	12'	12'	12'	12'	12'
RADIUS, R	15'	15'	20'	20'	25'	25'	25'	25'	R	25'	30'	35'	40'	45'	50'	50'	50'
TAPER, T	VARIABLE – 25 FT. MIN								T	50'	75'	100'	150'	200'	250'	250'	250'
WIDTH, W	AS APPROVED								W	CONFORM TO ROAD SECTION							

*SEE NOTE 7

NOTES:

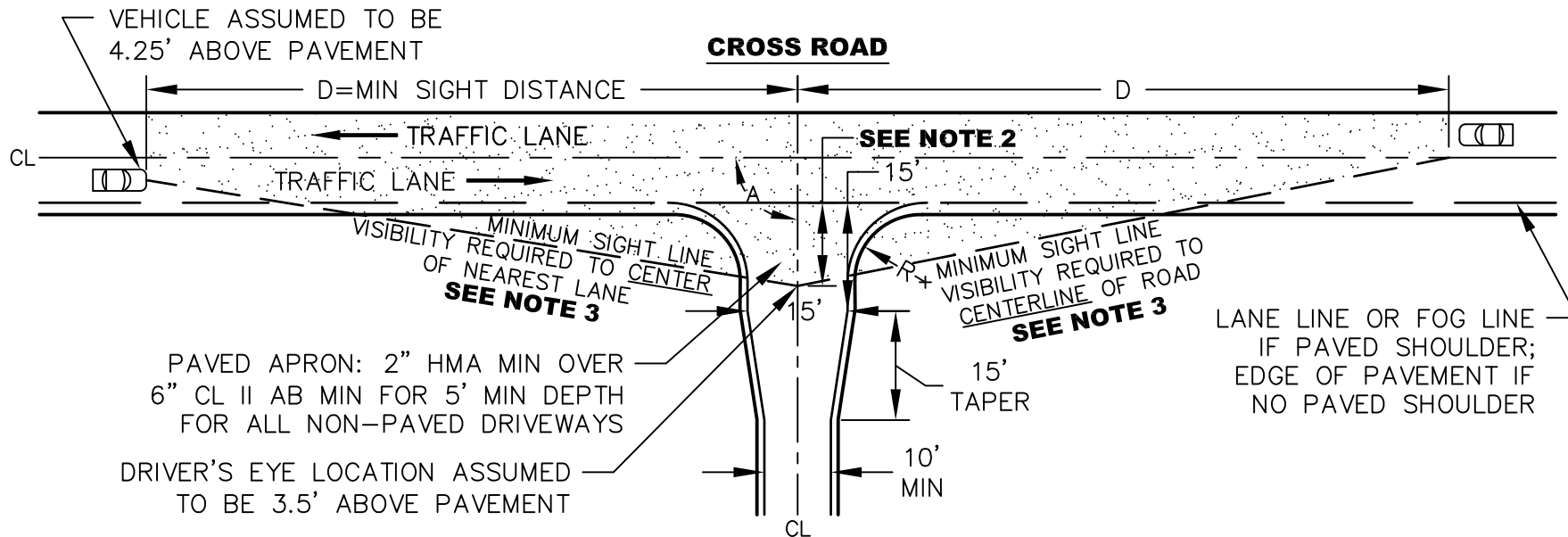
- INTERSECTING R/W LINES AT ROADWAY CONNECTIONS SHALL BE JOINED BY A 25 FT. OR GREATER RADIUS CURVE TO ALLOW FOR ROADWAY IMPROVEMENTS.
- SETBACK = 15 FT. MIN FROM EDGE OF TRAVELED WAY. THIS ASSUMES 6 FT. TO STOP BAR, 1 FT. FOR STOP BAR, AND 8 FT. FROM THE FRONT OF BUMPER TO THE DRIVER. THIS SETBACK MAY BE REQUIRED TO BE INCREASED UP TO 30 FT. DUE TO INTERSECTION LAYOUT.
- IN BOTH DIRECTIONS OF TRAVEL ALONG THE CROSS ROAD, SIGHT DISTANCE D IS TO BE MEASURED ALONG THE CROSS ROAD CL FOR TWO LANE CROSS ROADS, AND ALONG THE CL OF THE NEAREST LANE TO THE ROAD FOR MULTI-LANE ROADS.
- WHERE RESTRICTIVE CONDITIONS DO NOT ALLOW COMPLIANCE WITH THE SPECIFIED SIGHT DISTANCE REQUIREMENTS, THE ENGINEER MAY APPROVE A REDUCTION OF THE CORNER SIGHT DISTANCE TO NO LESS THAN THE MINIMUM STOPPING SIGHT DISTANCE AS OUTLINED IN THE CALTRANS HIGHWAY DESIGN MANUAL.
- LINE OF SIGHT CLEARANCE SHALL TAKE INTO ACCOUNT EXISTING/FUTURE LANDSCAPING. A VISIBILITY CONTROL EASEMENT MAY BE REQUIRED.
- ANGLE OF INTERSECTION, A, SHALL BE AS CLOSE TO 90° AS POSSIBLE, BUT SHALL NOT EXCEED LIMITS SHOWN IN TABLE ABOVE.
- CORNER SIGHT DISTANCE SHALL COMPLY WITH CALTRANS HIGHWAY DESIGN MANUAL REQUIREMENTS.



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

ROADWAY CONNECTION

SINGLE FAMILY RESIDENTIAL DRIVEWAY, ROADWAYS ≤ 25 MPH



SINGLE FAMILY RESIDENTIAL DRIVEWAY CONNECTING TO ROADS WITH DESIGN SPEED ≤ 25 MPH ONLY

A	60° TO 120°
D	200 FT.
R	10 FT. MIN

NOTES:

1. THIS PLATE IS TO ONLY BE USED WITH SINGLE RESIDENTIAL DRIVEWAYS, AS DEFINED IN LAND DEVELOPMENT MANUAL SECTION 4.05(1)(f)1. SHARED RESIDENTIAL DRIVEWAYS, AS DEFINED IN SECTION 4.05(1)(f)7 SHALL BE DESIGNED TO MEET REQUIREMENTS OUTLINED IN PLATE 116 (MINOR).
2. SETBACK MEASUREMENT FOR SIGHT DISTANCE = 15 FT. TYP. THIS SETBACK MAY BE REQUIRED TO BE INCREASED DUE TO INTERSECTION LAYOUT, AND MAY BE DECREASED TO 12' AS APPROVED BY PLACER COUNTY. IN BOTH DIRECTIONS OF TRAVEL ALONG THE CROSS ROAD, SIGHT DISTANCE D IS TO BE MEASURED ALONG THE CROSS ROAD CL FOR TWO LANE CROSS ROADS, AND ALONG THE CL OF THE NEAREST LANE TO THE DRIVEWAY FOR MULTI-LANE CROSS ROADS. FOR CROSS ROAD DESIGN SPEEDS GREATER THAN 25 MPH, SEE PLATE 116. CORNER SIGHT DISTANCE SHALL COMPLY WITH CALTRANS HIGHWAY DESIGN MANUAL REQUIREMENTS.
3. THE RETURN RADIUS R SHALL BE DESIGNED SUCH THAT EMERGENCY FIRE VEHICLE ACCESS IS PROVIDED FOR BOTH DIRECTIONS WITHOUT REQUIRING THE VEHICLE TO SWING INTO OPPOSING TRAFFIC LANES.
4. LINE OF SIGHT CLEARANCE SHALL TAKE INTO ACCOUNT EXISTING/FUTURE LANDSCAPING. A VISIBILITY CONTROL EASEMENT MAY BE REQUIRED.
5. ANGLE OF INTERSECTION, A, SHALL BE AS CLOSE TO 90° AS POSSIBLE, BUT NOT LESS THAN 60° OR MORE THAN 120°.
6. THERE SHALL BE 20 FT. MIN DISTANCE BETWEEN THE EDGE OF THE ROADWAY AND THE STRUCTURE.
7. FOR SITES LOCATED ABOVE 3500 FT. ELEVATION: THERE SHALL BE ONE DRIVEWAY CONNECTION TO A PARCEL; NO CIRCULAR OR SECONDARY DRIVEWAYS ALLOWED. THE DRIVEWAY WIDTH AT THE ROADWAY CONNECTION, EXCLUDING RETURN RADII, SHALL BE 20 TO 24 FT. MAX.
8. SEE PLATE 118 FOR DRIVEWAY APRON AND SLOPE REQUIREMENTS.
9. DRIVEWAYS NOT PERMITTED WITHIN 25 FT. OF INTERSECTING R/W TANGENTS IF AN ALTERNATIVE ACCESS LOCATION IS AVAILABLE.

DATE:

APR. 2016

SCALE:

NOT TO SCALE



PLATE
117



DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

DRIVEWAY CONNECTIONS

APRON DRAINAGE AND SLOPES

DATE:

APR. 2016

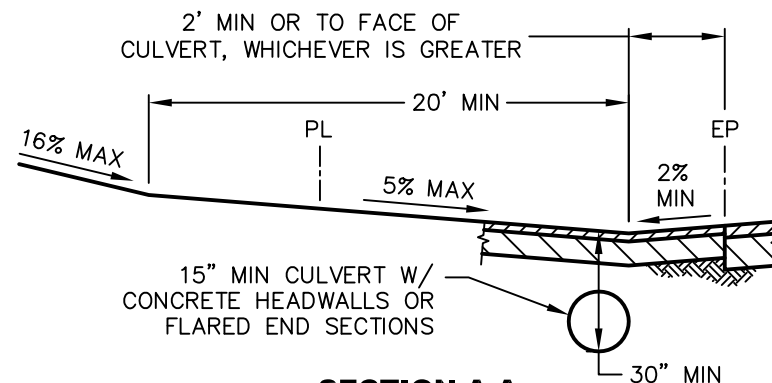
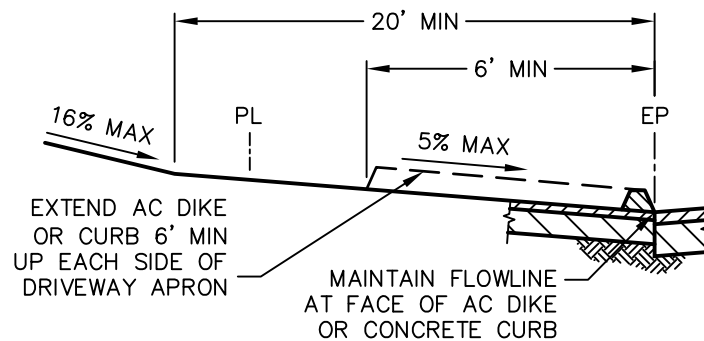
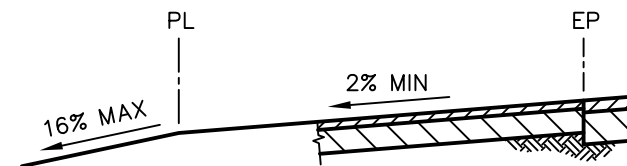
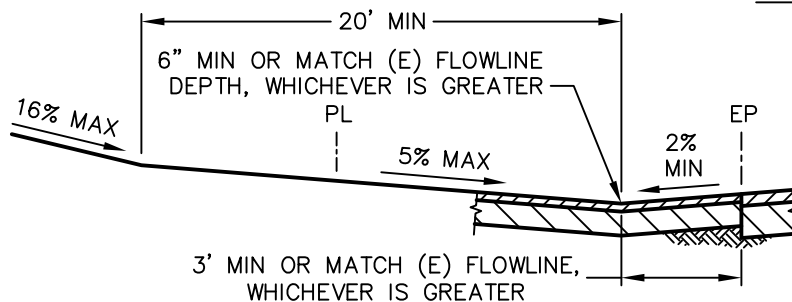
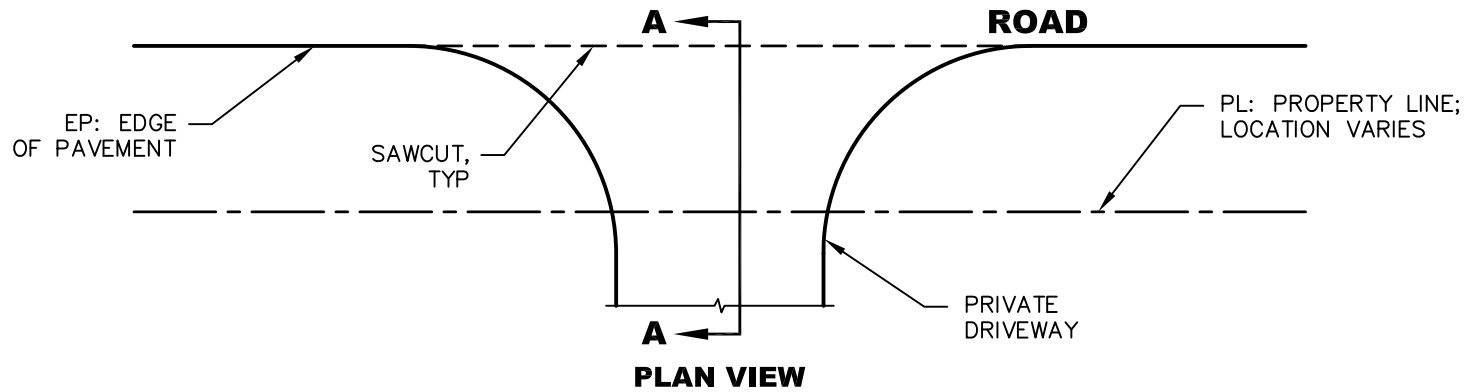
SCALE:

NOT TO SCALE



PLATE

118



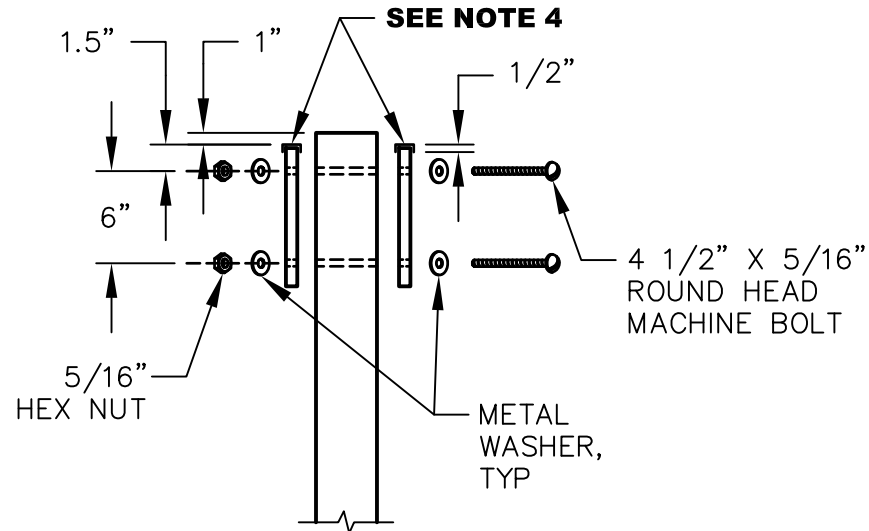
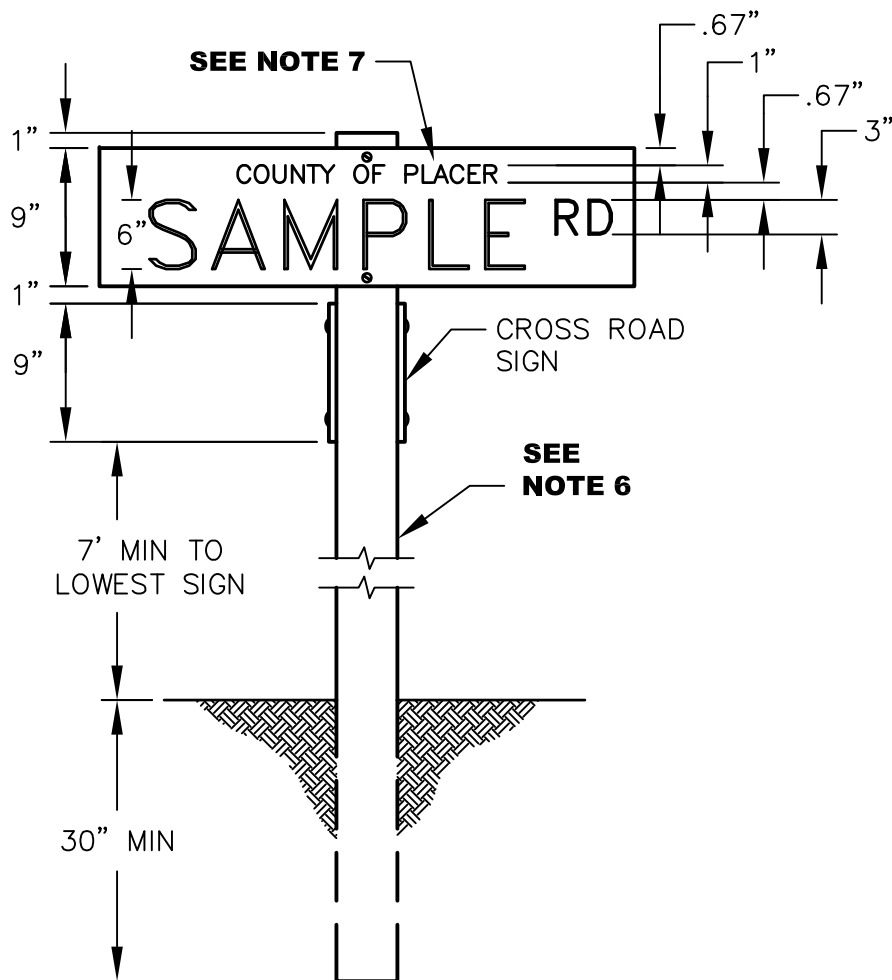
NOTES:

1. THIS PLATE IS ONLY TO BE USED WITH SINGLE RESIDENTIAL DRIVEWAYS, AS DEFINED IN LAND DEVELOPMENT MANUAL SECTION 4.05(1)(f)1. SHARED RESIDENTIAL DRIVEWAYS, AS DEFINED IN SECTION 4.05(1)(f)7 SHALL BE PER PROJECT APPROVALS OR AS DIRECTED BY ENGINEER.
2. SEE PLATE 117 FOR ADDITIONAL REQUIREMENTS.
3. ADDITIONAL TAHOE REGIONAL PLANNING AGENCY (TRPA) OR FIRE DEPARTMENT CONDITIONS MAY APPLY. COMPLY WITH ALL OTHER AGENCY REQUIREMENTS AS APPLICABLE.
4. WHERE RESTRICTIVE SITE TOPOGRAPHY EXISTS, ALTERNATE DESIGNS MAY BE APPROVED BY THE ENGINEER.



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

ROAD SIGN DETAIL



ROAD TYPE ABBREVIATIONS

AVE	AVENUE
BLVD	BOULEVARD
CIR	CIRCLE
CT	COURT
DR	DRIVE
LN	LANE
PKWY	PARKWAY
PL	PLACE
RD	ROAD
ST	STREET
TR	TRAIL
WY	WAY

NOTES:

1. ROAD NAME SIGN PANELS SHALL BE 6061-T6 OR 5155-H36, ALUMINUM ALLOY, 0.080 IN. THICK. PANELS SHALL HAVE SQUARE CORNERS AND BE 9 IN. HIGH BY 24, 30, 36, 42 OR 48 IN. LONG, DEPENDING ON STREET NAME LENGTH. COLOR SHALL BE REFLECTIVE WHITE LETTERS ON A REFLECTIVE GREEN BACKGROUND. MATERIALS AND METHODS SHALL CONFORM TO CALTRANS "SPECIFICATIONS FOR REFLECTIVE SHEETING ON ALUMINUM HIGHWAY SIGNS", AND FEDERAL SPECIFICATION L-S-300.
2. REFLECTIVE SHEETING FOR THE WHITE LETTERS AND GREEN BACKGROUND SHALL BE "SCOTCHLITE" SILVER "HIGH INTENSITY REFLECTIVE SHEETING".
3. THE BACKGROUND SHALL BE "SCOTCHLITE" GREEN "ELECTRO CUT FILM", OR SILK SCREENED WITH THE MANUFACTURERS RECOMMENDED GREEN TRANSPARENT INK. THE "ELECTRO CUT FILM", IF USED, SHALL HAVE THE LETTERS CUT FROM THE FILM AND THE FILM OVERLAID ON THE SILVER SHEETING.
4. SIGNS FOR LOCATIONS ABOVE 3000 FT. ELEVATION SHALL HAVE THE TOP EDGE BANDED WITH "SCOTCHLITE PROTECTIVE OVERLAY FILM", SERIES 1150 OR EQUIVALENT.
5. ROAD NAME LETTERING SHALL BE 6 IN. SERIES "B". ROAD TYPE DESIGNATIONS SHALL BE 3 IN. SERIES "B" LETTERING AND ABBREVIATED AS SHOWN. LEGENDS SHALL BE 1 IN. SERIES "C" LETTERING. ALL LETTERING SHALL BE HIGHWAY GOTHIC MOD B FED KERN REVA.
6. 4"x4" POST, TREATED WOOD, CONFORMING TO SEC. 56-4.02C OF CALTRANS STANDARD SPECIFICATIONS.
7. FOR COUNTY MAINTAINED ROADS, LEGEND SHALL BE LABELED "COUNTY OF PLACER". FOR PRIVATELY MAINTAINED ROADS, LEGEND SHALL BE LABELED "PRIVATE ROAD".
8. STREET NAME SIGNS SHALL NOT BE LOCATED ON THE SAME POST AS A STOP SIGN.

DATE:

APR. 2016

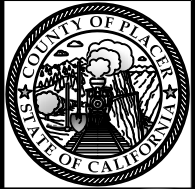
SCALE:

NOT TO SCALE



PLATE
119

1. ALL PCC TO BE 6-SACK MIX, AND SHALL BE MONOLITHIC POUR UNLESS OTHERWISE APPROVED.
2. EXPANSION AND WEAKENED PLANE JOINTS PER SECTION 73-1.03E OF THE PLACER GENERAL SPECIFICATIONS. FOR GUTTER PANS, WEAKENED PLANE JOINTS SHALL BE PLACED ONLY AT THE MID-POINT BETWEEN EXPANSION JOINTS.
3. SUBDRAINS BEHIND SIDEWALK MAY BE REQUIRED AT THE DISCRETION OF THE ENGINEER.
4. SLOPE OF GUTTER PAN, GS, SHALL NOT EXCEED 5% ACROSS CURB RAMP LANDINGS.
5. STRUCTURAL THICKNESSES ARE MINIMUM. INCREASED SECTIONS MAY BE REQUIRED BASED ON ACTUAL SOIL CONDITIONS, OR PROJECT APPROVALS.
6. UNSUITABLE MATERIALS TO BE REMOVED & REPLACED WITH SUITABLE MATERIAL.



DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

CONCRETE CURB WITH SNOW POLE SLEEVE

DATE:

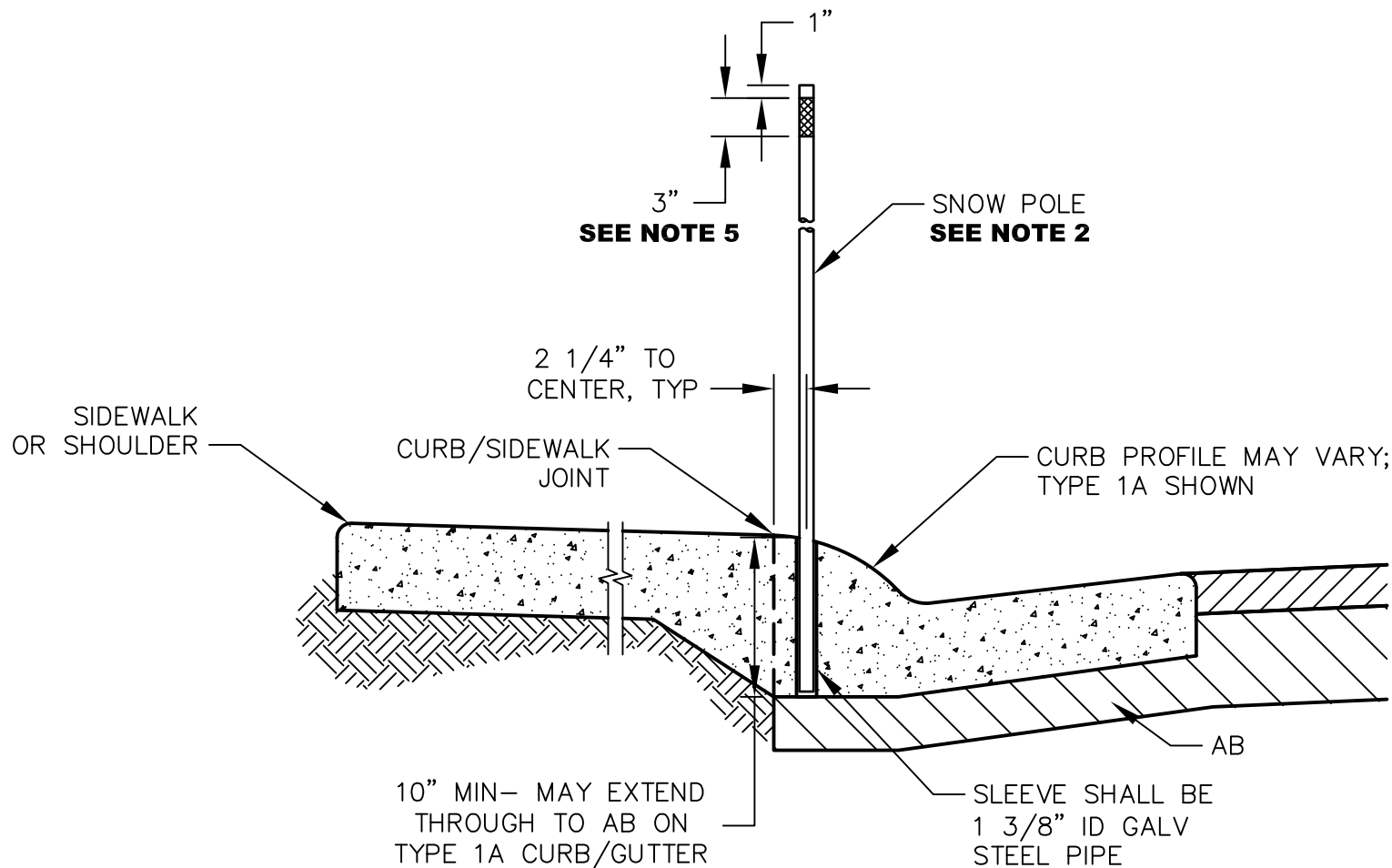
APR. 2016

SCALE:

NOT TO SCALE



PLATE
121



NOTES:

1. THIS STANDARD APPLIES TO THAT PORTION OF PLACER COUNTY AS DEFINED IN CODE SEC. 10.12.020(B), OR AS DIRECTED BY ENGINEER.
2. SNOW POLES SHALL BE FURNISHED WITH PROJECT AND SHALL BE 1" ID X 10'-6" LONG SCH. 40 STEEL PIPE.
3. SLEEVES SHALL BE SET PLUMB INTO WET CONCRETE. INTERIOR OF SLEEVE SHALL NOT BE OBSTRUCTED.
4. SLEEVES SHALL BE PLACED PER PLAN AT CURB ENDS, DEFLECTION POINTS, OR AS DIRECTED BY ENGINEER. WHEN INSTALLED IN PARKING LOTS, SPACING ALONG STRAIGHT RUNS SHALL NOT EXCEED 25 FT. OC, AND SHALL COINCIDE WITH ADJACENT PARKING STALL STRIPING. ON ROADWAY FRONTAGE, SPACING ALONG STRAIGHT RUNS SHALL BE DETERMINED BY DPW ROADS DEPT. SUPERVISOR.
5. REFLECTIVE STRIPE SHALL BE 3M HIGH INTENSITY GRADE PRISMATIC REFLECTIVE SHEETING, PART #3930, AND SHALL COMPLETELY ENCIRCLE THE POLE.



COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

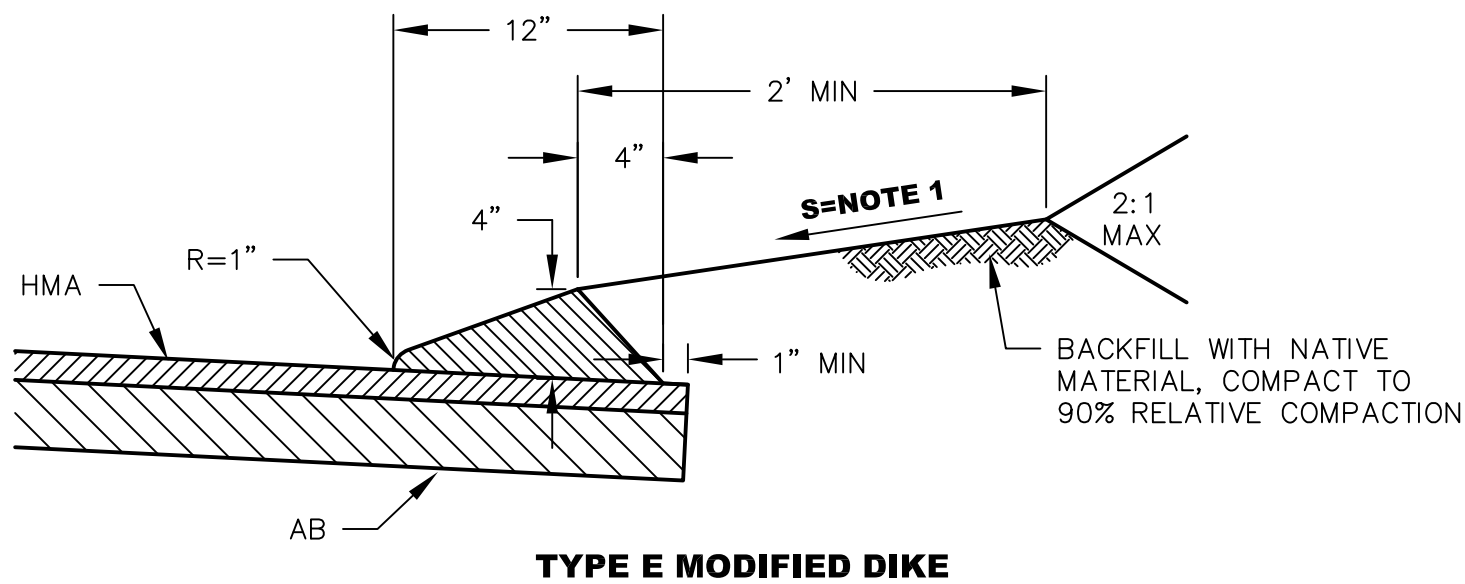
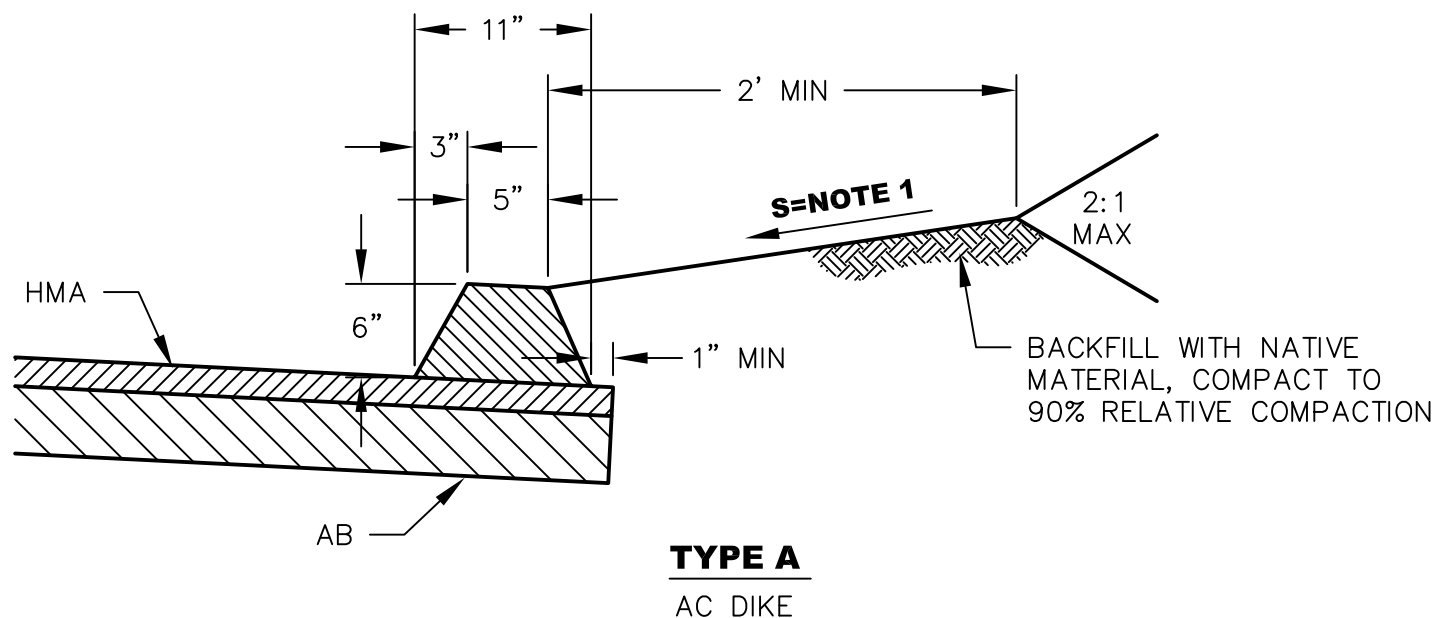
ASPHALT DIKES

DATE:
APR. 2016

SCALE:
NOT TO SCALE

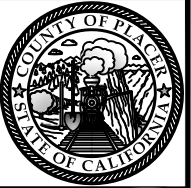


PLATE
122

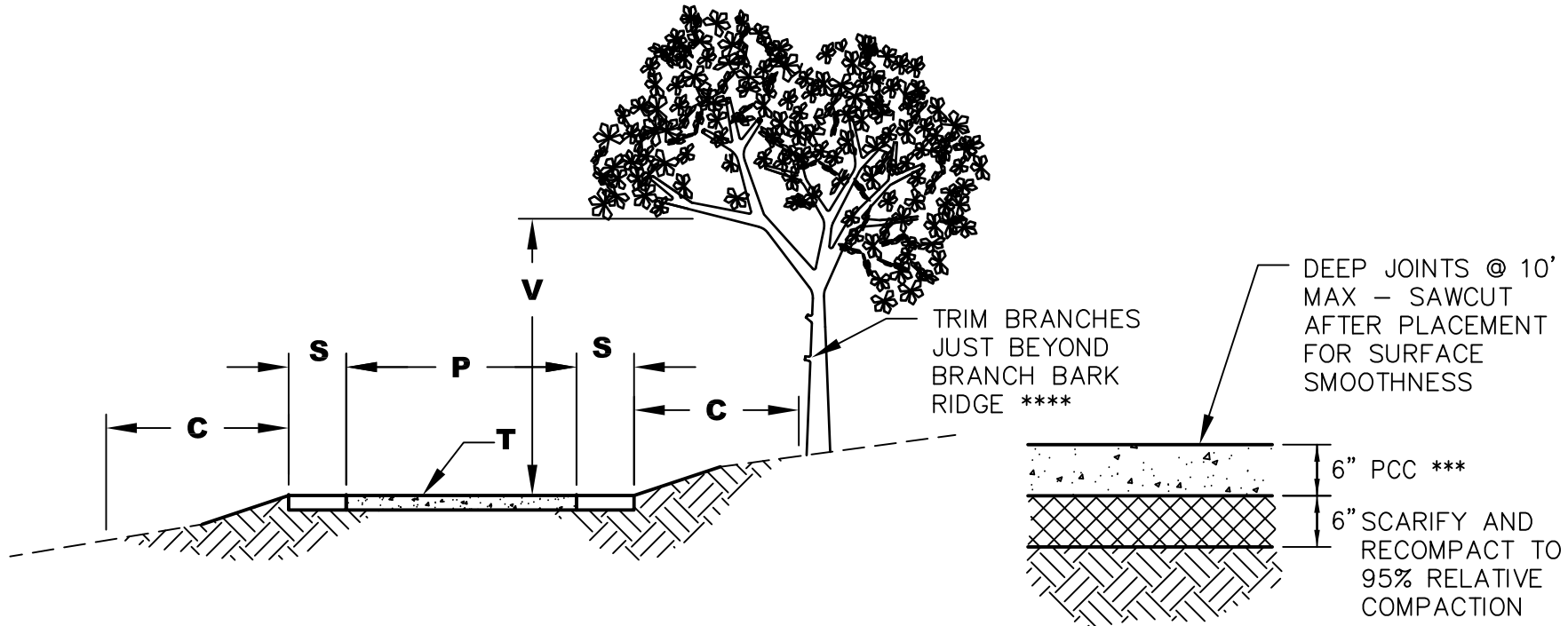


NOTES:

1. S=10% MINIMUM SLOPE FOR DIKE BACKFILL. FOR ROADS WITH LONGITUDINAL CENTERLINE SLOPES GREATER THAN 8%, USE 18% MINIMUM AND 22% MAXIMUM DIKE BACKFILL SLOPE.



MULTI USE TRAILS



**MULTI-USE AND PEDESTRIAN TRAIL
TYPICAL SECTION**

PAVEMENT SECTION

	PATH WIDTH (P)	SHOULDER WIDTH (S)	SURFACE TYPE (T)	CLEARING LIMITS (C)	VERTICAL CLEARING LIMITS (V)
CLASS 1					
• TYPE A	12'	2' **	PCC	7.5'	10'
• TYPE B	8'	2'	PCC	7.5'	10'
• TYPE C	10'	2'	PCC	7.5'	10'
MULTI PURPOSE	5'	NONE	COMPACTED NATIVE*	2'	10'

NOTES:

TYPE A – FOR ALL REGIONALLY SIGNIFICANT CLASS 1 PATHS

TYPE B – FOR CLASS 1 PATHS ADJACENT TO ROADS WHERE A CLASS 2 BIKE LANE IS INCLUDED IN THE ROADWAY

TYPE C – FOR ALL OTHER CLASS 1 PATHS

* IMPORTED/STABILIZED AGGREGATE, DECOMPOSED GRANITE, OR ELEVATED STRUCTURE TO BE INSTALLED IN WET OR UNSTABLE AREAS

** MAY BE WIDENED TO 4' ON SIDE FURTHEST FROM TRAFFIC WHEN ADJACENT EQUESTRIAN USE IS REQUIRED.

*** ALTERNATIVE HMA SURFACE MAY BE ALLOWED SUBJECT TO APPROVAL BY PLACER COUNTY

**** TREE PRUNING PER ISA TREE PRUNING STANDARDS: ANZI: 300

DATE:
APR. 2016

SCALE:
NOT TO SCALE

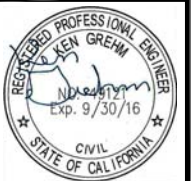
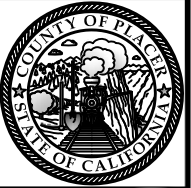


PLATE
123



DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

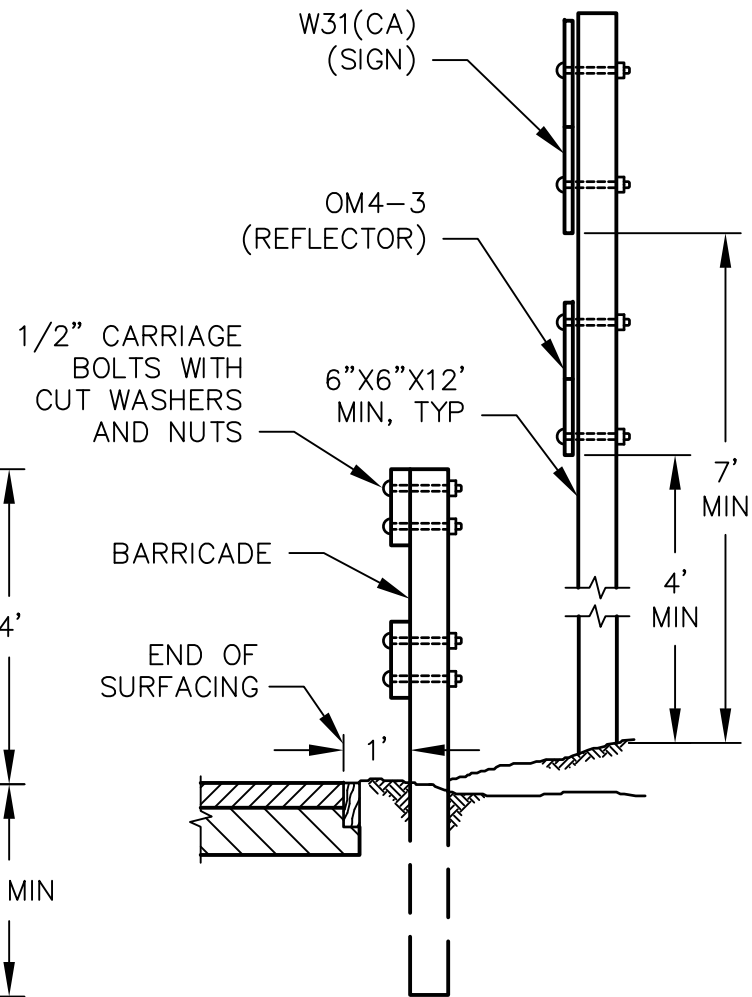
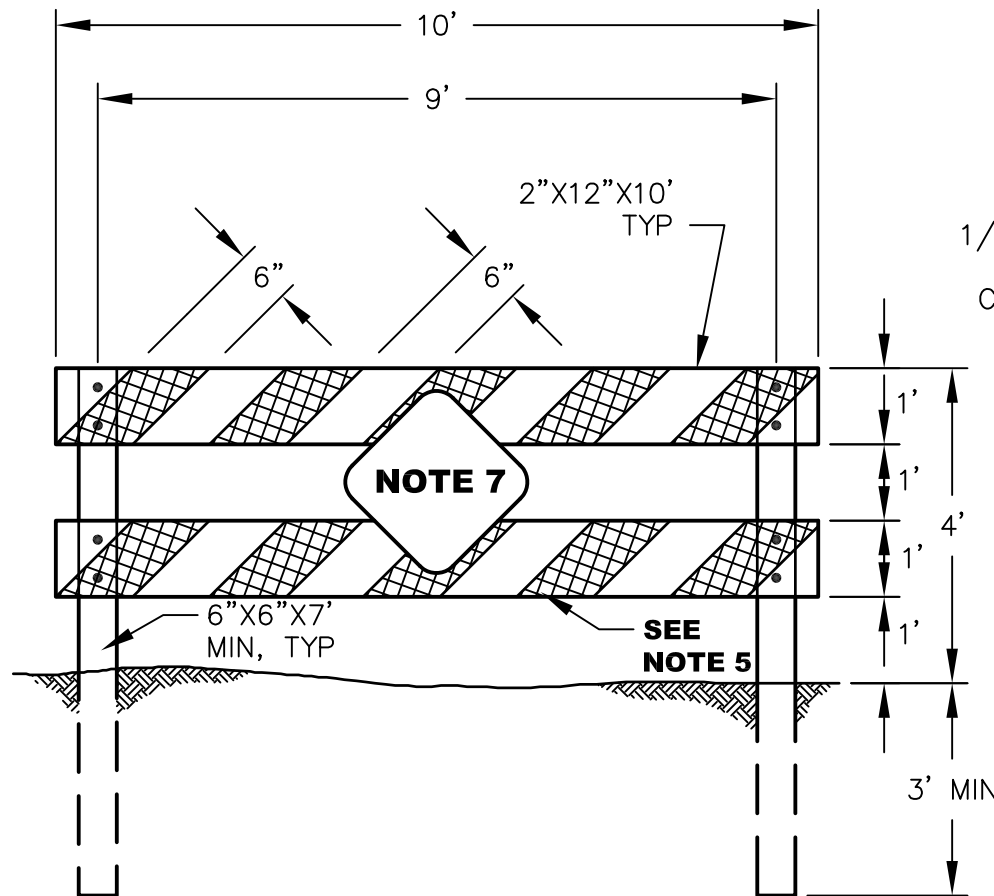
ROADWAY TIMBER BARRICADE

DATE:
APR. 2016

SCALE:
NOT TO SCALE

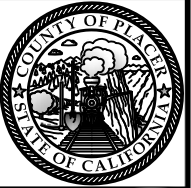


PLATE
124



NOTES:

1. ALL LUMBER TO BE S4S.
2. ALL EXPOSED SURFACES TO BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONFORMING TO SEC. 91-3 OF PLACER COUNTY GENERAL SPECIFICATIONS PRIOR TO APPLICATION OF REFLECTIVE SHEETING.
3. ALL LUMBER BELOW GROUND LEVEL AND BARRICADE POSTS SHALL BE PRESSURE TREATED FIR.
4. NUMBER OF BARRICADES REQUIRED SHALL BE AS SHOWN ON THE PLANS APPROVED BY THE ENGINEER - A MINIMUM OF TWO BARRICADES WILL BE CONSTRUCTED AT THE END OF STREETS.
5. ORANGE STRIPE SHALL CONSIST OF REFLECTIVE SHEETING MEETING OR EXCEEDING CALTRANS SPECIFICATIONS FOR TYPE 2 REFLECTIVE SIGN SHEETING (ENGINEER GRADE).
6. A "W31(CA)(END)/OM4-3 (RED REFLECTOR)" SIGN SHALL BE INSTALLED BEHIND THE BARRICADE IN LINE WITH THE APPROACHING TRAFFIC.
5. ADDITIONAL OM4-3 REFLECTORS AND/OR SIGNS MAY BE REQUIRED ON BARRICADE, AS DIRECTED BY THE ENGINEER.
6. ALL MATERIAL USED IN CONSTRUCTION OF BARRICADE THAT IS BELOW GROUND OR WITHIN 6" OF GROUND SHALL BE TREATED DOUGLAS FIR IN CONFORMANCE WITH SEC. 56-4.02C OF CALTRANS STANDARD SPECIFICATIONS.



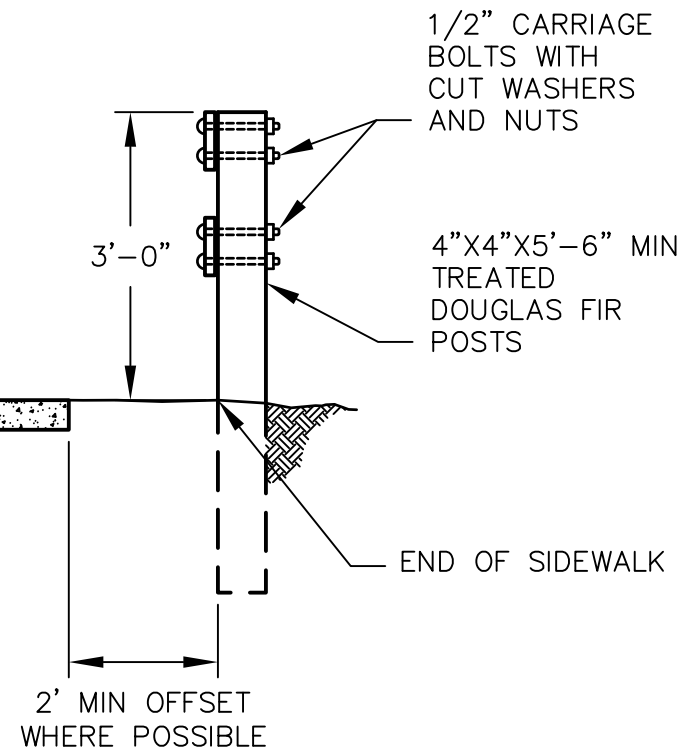
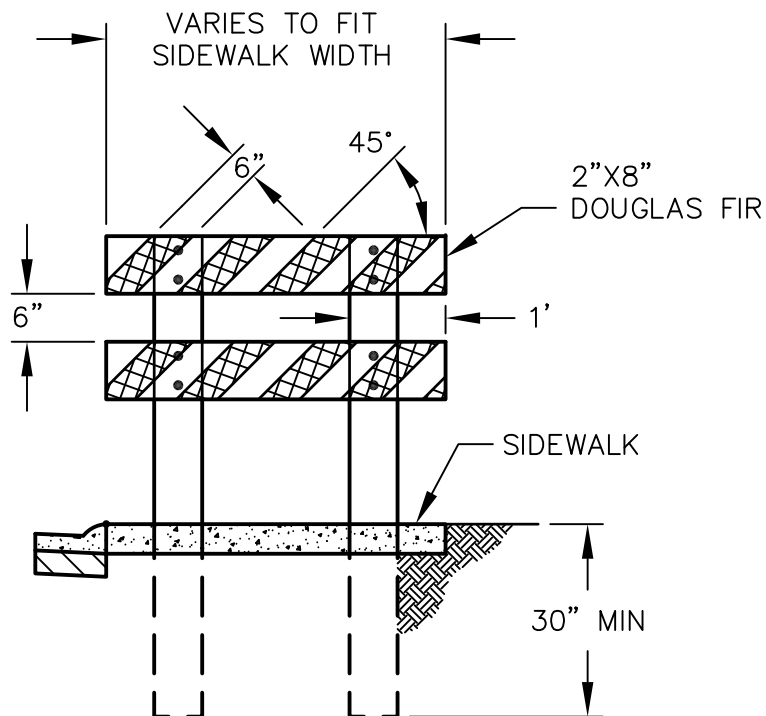
COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS & FACILITIES

SIDEWALK BARRICADE

DATE:
APR. 2016
SCALE:
NOT TO SCALE



PLATE
125



NOTES:

1. SIDEWALK BARRICADE TO BE ERECTED AT EACH LOCATION WHERE SATISFACTORY PROVISION CANNOT BE MADE FOR PEDESTRIANS TO CONTINUE BEYOND THE TERMINUS OF A SIDEWALK.
2. ALL LUMBER TO BE S4S.
3. ALL EXPOSED SURFACES TO BE PAINTED WITH TWO (2) COATS OF WHITE PAINT CONFORMING TO SEC. 91-3 OF PLACER COUNTY GENERAL SPECIFICATIONS PRIOR TO APPLICATION OF REFLECTIVE SHEETING.
4. ORANGE STRIPE SHALL CONSIST OF REFLECTIVE SHEETING MEETING OR EXCEEDING CALTRANS SPECIFICATIONS FOR TYPE 2 REFLECTIVE SIGN SHEETING (ENGINEER GRADE).
5. ALL MATERIAL USED IN CONSTRUCTION OF BARRICADE THAT IS BELOW GROUND OR WITHIN 6" OF GROUND SHALL BE TREATED DOUGLAS FIR IN CONFORMANCE WITH SEC. 56-4.02C OF CALTRANS STANDARD SPECIFICATIONS.



DEPARTMENT OF PUBLIC WORKS & FACILITIES

COUNTY OF PLACER

ROADSIDE MEMORIAL

DATE:
APR. 2016

SCALE:
NOT TO SCALE

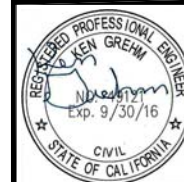
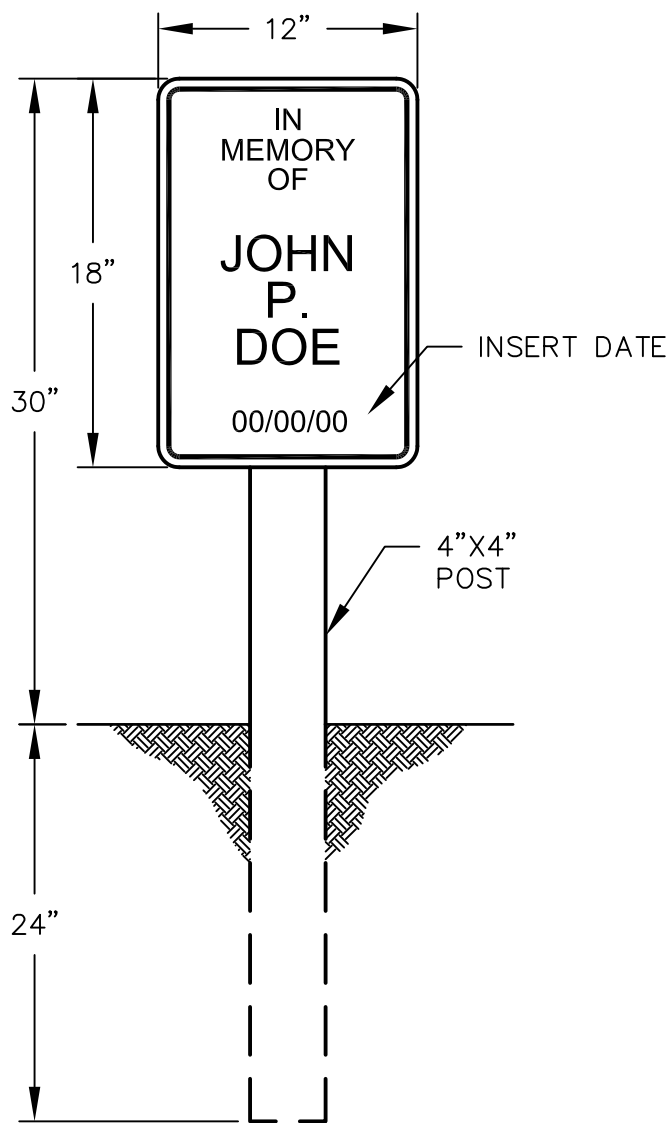
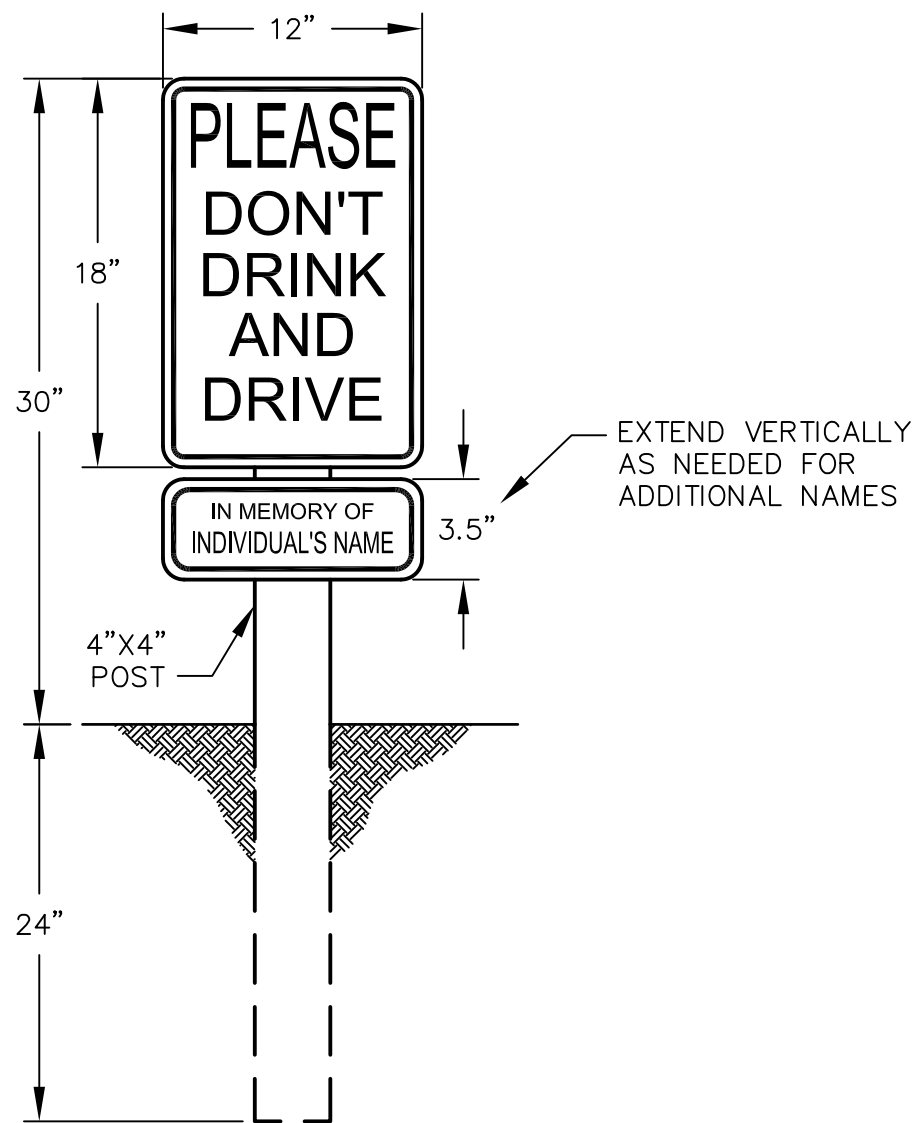


PLATE
126



OPTION A



OPTION B

NOTES:

1. ALL SIGNS SHALL BE REFLECTIVE BLUE WITH WHITE LETTERING.
2. SIGN TO BE REMOVED THREE YEARS FROM DATE OF ACCIDENT.
3. SPECIFIC MONUMENT LOCATION WITH ADEQUATE SHOULDER WIDTH SHALL BE DETERMINED BY THE ENGINEER. LOCATION WILL BE AS CLOSE TO ACTUAL ACCIDENT SITE AS PRACTICAL.
4. WRITTEN COUNTY APPROVAL IS REQUIRED PRIOR TO INSTALLATION OF ANY MONUMENT.
5. COUNTY SHALL MAINTAIN MONUMENT AREA. COUNTY SHALL REMOVE INAPPROPRIATE APPURTENANCES.



COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS & FACILITIES

ACCESSIBLE CURB RAMPS NOTES

NOTES:

1. CALTRANS CURB RAMP DETAILS STANDARD PLAN A88A, MOST CURRENT VERSION AS DETERMINED BY THE DIRECTOR, SHALL APPLY.
2. THE MAXIMUM RAMP SLOPE IS 7.5%. FOR CASE C RAMPS ON STEEPER GRADES WHERE 7.5% CANNOT BE MET, THE MAXIMUM TRANSITION LENGTH REQUIRED IS 15 FEET ON EITHER SIDE OF THE LANDING.

DATE:
APR. 2016

SCALE:
NOT TO SCALE

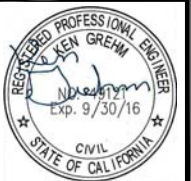


PLATE
127